

### 3.4.9 - Bibliometrics of the publications during the year based on Scopus/ Web of Science – h-Index of the University

| Title of paper   | Name of the author/s   | Department of the teacher                                  | Name of journal   | Year of publication | Citation | h index |
|--|--|--|---|---------------------|----------|---------|
| Measurement of neutron induced reaction cross-section of 99Mo  | Upadhyay M., Department of Physics, Bhabha Atomic Research Centre, Mumbai, India                                   | Physical Sciences  | Journal of Physics G: Nuclear and Particle Physics              | 2023                | 1        | 117     |
| Light particle-induced deexcitations of 31+ and 22+ resonances of C 12 in extreme stellar conditions   | Bashiyah N., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, India                                | Physical Sciences  | Physical Review C   | 2023                | 0        | 238     |
| Ergodic polar cluster state and its dynamics in K and ND nuclei  | Bhatt T.D.   | Physical Sciences  | Ceramics International  | 2023                | 0        | 155     |
| Impact of magnetic field on the energy loss function in nuclear-muon scattering experiments  | Selvaraj S., Nuclear Physics Division, Bhabha Atomic Research Centre, Mumbai, India                                | Physical Sciences  | Physica Status Solidi D   | 2023                | 0        | 109     |
| 3D unified thermal field emission theory for metals nanowires  | Ramachandran R., Bhabha Atomic Research Centre, Mumbai, India  | Physical Sciences  | Journal of Applied Physics                                      | 2023                | 2        | 355     |
| Field-induced phase transitions and anisotropic magnetic properties of the Kitao-Holmberg compound Na2Co2TeO6  | Bera A.K., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, India                              | Physical Sciences  | Physical Review B   | 2023                | 0        | 401     |
| Thermal catalytic mineralization of the dichlorobenzene at low temperature: an <i>in situ</i> FT-IR and XPS mechanistic investigation  | Kumar A., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India   | Chemical Sciences  | Materials Advances  | 2023                | 2        | 42      |
| Fluorescence correlation spectroscopy measurements on amyloid fibril reveal at least two binding modes for fluorescent sensors   | Ghoshal R.N., Department of Physics, Pondicherry Engineering College, Puducherry, India                            | Chemical Sciences  | Chemical Physics Impact   | 2023                | 0        | 15      |
| Effects of intrinsic and extrinsic multi-phased lattice structure and chemical heterogeneity on the control of ferromagnetic properties in Mn3Sn   | Bhowmik R.N., Department of Physics, Pondicherry Engineering College, Puducherry, India                            | Physical Sciences  | Journal of Magnetism and Magnetic Materials                     | 2023                | 0        | 195     |
| Composition-dependent photoluminescence in nanocrystalline La2Hf <sub>x</sub> -xZn <sub>x</sub> F <sub>14</sub> phosphor: role of chemical twin Z/H environments   | Gupta S.C., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, India                                  | Physical Sciences  | Physical Chemistry Chemical Physics                             | 2023                | 0        | 296     |
| Engineered triphenylphosphonium-based, mismatched targeted liposomal drug delivery facilitates cancer cell killing actions of Modulated Ultrathin Ni(OH) Nanosheet Decorated 2D+3-Rich NH <sub>2</sub> -UD-66 Nanostructure for Efficient Photocatalytic Hydrogen Generation | Singh A., Department of Chemistry, SRM Institute of Science and Technology, Kattankudy, India                      | Chemical Sciences  | ESCR-Climate Biology  | 2023                | 1        | 21      |
| Concealment of energy-rich fuel in nuclear reactors  | Kushwaha N., Department of Energy, Bhabha Atomic Research Centre, Mumbai, India                                    | Physical Sciences  | ACS Applied Materials and Interfaces                            | 2023                | 5        | 284     |
| Determination of substituents and methyl substituted pyrazinyl monoleandomycin: structural, optical, physical, chemical and biological properties  | Vaidya K.K., Liquid Water Reactor Physics Sector, Bhabha Atomic Research Centre, Mumbai, India                     | Physical Sciences  | RSC Advances  | 2023                | 0        | 210     |
| Influence of amorphous intermediate domains on the performance of Na2O-12O3-GeO2 glass-ceramic anode material system   | Yeravarkar S.K., Department of Physics, School of Physical Sciences, Mumbai, India                                 | Physical Sciences  | Nuclear and Particle Physics Proceedings                        | 2023                | 2        | 80      |
| Local Structure and Spectroscopy of Na2O-12O3-GeO2 Glass-Enhanced Luminescence in B24O47   | Balaram A., Radiochemistry Division, Bhabha Atomic Research Centre, Mumbai, India                                  | Chemical Sciences  | Applied Physics A: Materials Science and Processing             | 2023                | 1        | 164     |
| Suppression of Transients From Continuous Seismic Records Using Modified The Method of the Ambient Noise   | Gupta P., Avon K., Department of Electrical Engineering, Bhabha Atomic Research Centre, Mumbai, India              | Chemical Sciences  | Inorganic Chemistry   | 2023                | 0        | 253     |
| Predicting the pair correlation function of a liquid-crystalline glass using machine learning  | Avon K., Department of Electrical Engineering, Bhabha Atomic Research Centre, Mumbai, India                        | Chemical Sciences  | IEEE Sensors Journal  | 2023                | 0        | 159     |
| Investigation of the optical properties of La2O3-NaCl (40 wt% NaCl) glass  | Sen N., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                           | Chemical Sciences  | Physical Chemistry Chemical Physics                             | 2023                | 1        | 295     |
| Structural and electronic properties of iron REH-AlH <sub>3</sub> hydrides   | Prabhakaran L., Department of Materials Research, Bhabha Atomic Research Centre, Mumbai, India                     | Physical Sciences  | Journal of Alloys and Compounds                                 | 2023                | 2        | 216     |
| Microwave absorption and hyperthermia properties of Kanamycin-doped zinc copper ferrite nanocomposite  | Maitra A., Solid State Research Laboratories, Bhabha Atomic Research Centre, Mumbai, India                         | Physical Sciences  | Journal of Magnetism and Magnetic Materials                     | 2023                | 2        | 195     |
| Unprecedented confinement time of electron plasma with a purely toroidal magnetic field in SMARTER-C   | Mehra S., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, India                               | Physical Sciences  | Soft Matter   | 2023                | 0        | 201     |
| Unraveling the mechanisms of copper precipitation-deposition in austenitic stainless steels: An atomistic approach   | Charabary R., Condensed Matter Physics Division, Bhabha Atomic Research Centre, Mumbai, India                      | Physical Sciences  | Physical Review B   | 2023                | 1        | 497     |
| CTAB induced growth and shape evolution of Cu <sub>2</sub> O nanowires: Experimental and theoretical rationale   | Paliwal P., Department of Chemistry, Jawaharlal Nehru University, New Delhi, India                                 | Chemical Sciences  | Inorganic Chemistry   | 2023                | 0        | 255     |
| ANALYSIS AND DESIGN OF A COUPLED THERMO-PHYSICAL MODEL FOR A SUBMERGED NOZZLE  | Jayaraman V.B., Solid State Physics Division, Bhabha Atomic Research Centre, Mumbai, India                         | Physical Sciences  | ECS Journal of Solid State Science and Technology               | 2023                | 0        | 68      |
| Experiments and CFD modeling of bubble formation in a top submerged nozzle   | Sen N., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                           | Chemical Engineering Research and Design                   | Journal of Fluid Mechanics                                      | 2023                | 0        | 125     |
| Simulation of random motion of fuel particles with liquid salt coolant using Petrel code   | Singh I., Reactor Physics Division, Bhabha Atomic Research Centre, Mumbai, India                                   | Physical Sciences  | Physics Open  | 2023                | 0        | 11      |
| FlirT ZnD as an Electron Transplanting Layer for Enhancing the Photovoltaic Performance of Inverted Polymer Solar Cells Based on Nono  | Putta V., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai, India                                 | Physical Sciences  | ACS Applied Electronic Materials                                | 2023                | 0        | 49      |
| Understanding the broad-band emission process of Sc <sub>2</sub> C <sub>79</sub> through long term spectral analysis   | Theekoth A., Department of Physics, University of Mumbai, Mumbai, India  | Physical Sciences  | Monthly Notices of the Royal Astronomical Society               | 2023                | 1        | 372     |
| Unprecedented confinement time of electron plasma with a purely toroidal magnetic field in SMARTER-C   | Lachhwani L., Institute for Plasma Research, Gandhinagar, India  | Physical Sciences  | Scientific Reports  | 2023                | 1        | 313     |
| Unraveling the mechanisms of copper precipitation-deposition in austenitic stainless steels: An atomistic approach   | Biswas S., Department of Metallurgical and Materials Engineering, Jadavpur University, Kolkata, India              | Physical Sciences  | Materials   | 2023                | 0        | 43      |
| CTAB induced growth and shape evolution of Cu <sub>2</sub> O nanowires: Experimental and theoretical rationale   | Charabary R., Condensed Matter Physics Division, Bhabha Atomic Research Centre, Mumbai, India                      | Physical Sciences  | Journal of Molecular Liquids                                    | 2023                | 1        | 160     |
| ANALYSIS AND DESIGN OF A COUPLED THERMO-PHYSICAL MODEL FOR A SUBMERGED NOZZLE  | Paliwal P., Department of Chemistry, Jawaharlal Nehru University, New Delhi, India                                 | Chemical Sciences  | Frontiers in International Energy and Environmental Engineering | 2023                | 1        | 146     |
| Design, fabrication and characterization of a drift tube line, type double gage in a bunch chamber   | Matthew J., Ion Accelerator Development Division, Bhabha Atomic Research Centre, Mumbai, India                     | Physical Sciences  | Review of Scientific Instruments                                | 2023                | 1        | 180     |
| High-hydrogen storage in an ironium decorated al <sub>2</sub> as <sub>3</sub> asperites: acs from density functional theory and molecular dynamics simulation  | Nair H., Department of Physics, The M. S. Ramaiah Institute of Technology and Management, Bangalore, India         | Physical Sciences  | International Journal of Hydrogen Energy                        | 2023                | 21       | 263     |
| Bio-conjugated carbon dots for the biomedic detection of prostate cancer biomarkers via sandwich fluorescence and electrochemical impedance sensing  | Korram J., Chemistry Division, Bhabha Atomic Research Centre, Mumbai, India  | Chemical Sciences  | Journal of Materials Chemistry B                                | 2023                | 3        | 141     |
| CFD and machine learning based hydro model for assessing safety in a two ventilated compartment  | Sharma P.K., Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India                                 | Chemical Sciences  | Kernschleife  | 2023                | 0        | 26      |
| FastTQDQ nanorod arrays: are efficient electrocatalysts for electrochemical ammonia synthesis via nitrate reduction reaction   | Muthukrishna N., Department of Industrial Chemical Sciences, Bhabha Atomic Research Centre, Mumbai, India          | Chemical Sciences  | Journal of Materials Chemistry A                                | 2023                | 14       | 295     |
| Flow synthesis of 1-(ethyl-3-methylindolin-2-yl)methyl sulfide in a PTFE micro-capillary: an experimental and numerical study  | Sen N., Chemical Engineering Division, Bhabha Atomic Research Centre, Mumbai, India                                | Chemical Sciences  | Microfluidics and Nanofluidics                                  | 2023                | 0        | 108     |
| Ultrathin decorated 2D graphene as a potential hydrogen storage material: Density functional theory investigations   | Dewangan J., Indian Institute of Technology Roorkee, Roorkee, India  | Physical Sciences  | International Journal of Hydrogen Energy                        | 2023                | 19       | 263     |
| Micro-structural analysis of oxygen irradiated V-4Cr-4Ti by x-ray and electron scatter diffraction   | Dey S., Variable Energy Cyclotron Centre, Kolkata, India   | Chemical Sciences; Engineering Sciences; Physical Sciences | Fusion Engineering and Design                                   | 2023                | 0        | 91      |
| A Simplified and Amorphous Arsenic FET to Prevent Arsenic Poisoning: Lab-Scale Study and Pilot Experiment  | Panda A.P., Department of Chemistry, Birsa Institute of Technology, Berhampur, India                               | Chemical Sciences  | ACS ES&T Water  | 2023                | 0        | 29      |
| Plant regeneration through somatic embryogenesis in cell suspensions of <i>Cenchrus ciliaris</i> .   | Goyal S., Plant Development Biology, Department of Life Sciences, Bhabha Atomic Research Centre, Mumbai, India     | Chemical Sciences  | Plant Methods   | 2023                | 3        | 95      |
| Fluorescence based studies on the interaction and characterization of surface-active ionic liquids with polarity sensitive intramolecular dyes   | Rey D., Department of Physics, North-Eastern Hill University, Shillong, India                                      | Physical Sciences  | Chemical Physics Impact   | 2023                | 1        | 13      |
| Adsorption and dehydrogenation of ammonia on Ru3S, Cu3S and Ru/Cu3S nanoclusters: role of single atom alloy catalyst   | Chatterjee D., Product Development Division, Bhabha Atomic Research Centre, Mumbai, India                          | Physical Sciences  | Physical Chemistry Chemical Physics                             | 2023                | 0        | 290     |
| Study of reactive electron beam deposited tantalum pentoxide thin films with spectroscopic ellipsometry and atomic force microscopy  | Tokun R.A., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, India                      | Physical Sciences  | Applied Surface Science Advances                                | 2023                | 1        | 23      |
| Formation of nanocrystalline Cu <sub>2</sub> O and Cu <sub>3</sub> N nanomaterials by pulsed laser deposition  | Patil A., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                         | Physical Sciences  | Journal of Materials Research                                   | 2023                | 2        | 139     |
| Atomic Force Microscopy Comparison of Thulium Lanthanides with Ruthenium B Diketonate: Multitechnique Approach with Theoretical Calculations   | Patil A., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                         | Physical Sciences  | Journal of Materials Research                                   | 2023                | 0        | 255     |
| Additive Free Continuous, Reusable Carbon Nanotube Fibres as Wearable Heterogeneous Gas Sensor   | Borkar S., Materials Group, Bhabha Atomic Research Centre, Mumbai, India   | Chemical Sciences  | Frontiers in Materials  | 2023                | 1        | 150     |
| Potential renewable hydrogen storage in a decorated carbon nanotube PAI/Graeme: A first principle study  | Borkar S., Materials Group, Bhabha Atomic Research Centre, Mumbai, India   | Chemical Sciences  | Frontiers in Materials  | 2023                | 1        | 150     |
| Trapping through chemical doping for ultralow x-ray persistent luminescence and thermal quenching in Zn <sub>2</sub> SiO <sub>4</sub>  | Mathew J., Ion Accelerator Development Division, Bhabha Atomic Research Centre, Mumbai, India                      | Physical Sciences  | Review of Scientific Instruments                                | 2023                | 1        | 180     |
| A Simplified and Amorphous Arsenic FET to Prevent Arsenic Poisoning: Lab-Scale Study and Pilot Experiment  | Panda A.P., Department of Chemistry, Birsa Institute of Technology, Berhampur, India                               | Chemical Sciences  | Journal of Solid State Chemistry                                | 2023                | 0        | 29      |
| Plant regeneration through somatic embryogenesis in cell suspensions of <i>Cenchrus ciliaris</i> .   | Goyal S., Plant Development Biology, Department of Life Sciences, Bhabha Atomic Research Centre, Mumbai, India     | Chemical Sciences  | Plant Methods   | 2023                | 3        | 95      |
| Fluorescence based studies on the interaction and characterization of surface-active ionic liquids with polarity sensitive intramolecular dyes   | Rey D., Department of Physics, North-Eastern Hill University, Shillong, India                                      | Physical Sciences  | Chemical Physics Impact   | 2023                | 1        | 13      |
| Pressure induced phase transition in nanocrystalline Cu <sub>2</sub> O   | Toku R.A., Atomic & Molecular Physics Division, Bhabha Atomic Research Centre, Mumbai, India                       | Physical Sciences  | Physical Chemistry Chemical Physics                             | 2023                | 0        | 290     |
| Effect of hydroxyl groups on Cu <sub>2</sub> O   | Sharma P.K., Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India                                 | Chemical Sciences  | Applied Surface Science Advances                                | 2023                | 1        | 23      |
| Effect of hydroxyl groups on Cu <sub>2</sub> O   | Sharma P.K., Reactor Safety Division, Bhabha Atomic Research Centre, Mumbai, India                                 | Chemical Sciences  | Journal of Materials Research                                   | 2023                | 2        | 232     |
| Comparative study of hydrolytic susceptibility of cellulose using PTFE micro-capillary: an experimental and numerical study  | Anandan D., Centre for Biomaterials, Cellular and Tissue Engineering, Bhabha Atomic Research Centre, Mumbai, India | Chemical Sciences  | Journal of the Mechanical Behavior of Biomedical Materials      | 2023                | 1        | 121     |
| Testicular Metastasis from Neuroendocrine Tumors: Imaging and Therapeutics Through 68Ga-DOTATE PET and 177Lu-DOTATE/64Cu-DOTATATE PET  | Parikh R.V., Radiation Medicine Centre, Bhabha Atomic Research Centre, Mumbai, India                               | Medical and Health Sciences                                | Clinical Nuclear Medicine                                       | 2023                | 1        | 70      |
| Why is it important to use multicomponent photometry in medium/low/enthalpy thermal waters? Insights from the Gujurat geothermal system  | Chatterjee S., Isotopic and Radiation Application Division, Bhabha Atomic Research Centre, Mumbai, India           | Chemical Sciences  | Environmental Earth Sciences                                    | 2023                | 0        | 150     |
| Overview of Method of Characterization Neutron Beam (MANTRA) and its Validation  | Mazumdar T., Reactor Physics & Nuclear Engg, Bhabha Atomic Research Centre, Mumbai, India                          | Physical Sciences  | Nuclear and Particle Physics Proceedings                        | 2023                | 0        | 80      |
| Deciphering the Role of Gamma Ray Induced Radicals in the Thermoluminescence Process of a Neutron to Cool Daylight Emitting Sr-144   | Singh K., Research Cell for Radiation Technology, Bhabha Atomic Research Centre, Mumbai, India                     | Chemical Sciences  | Journal of Materials Chemistry C                                | 2023                | 5        | 183     |
| Surface modification of thin film composite nanofiltration membrane with graphene oxide by varying amine linkers: Synthesis, characterization and performance  | Varshney P.S., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                    | Chemical Sciences  | Journal of Membrane Science                                     | 2023                | 10       | 295     |
| Surface modification of thin film composite nanofiltration membrane with graphene oxide by varying amine linkers: Synthesis, characterization and performance  | Varshney P.S., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                    | Chemical Sciences  | Journal of Membrane Science                                     | 2023                | 1        | 216     |
| Surface modification of thin film composite nanofiltration membrane with graphene oxide by varying amine linkers: Synthesis, characterization and performance  | Varshney P.S., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                    | Chemical Sciences  | Journal of Membrane Science                                     | 2023                | 1        | 98      |
| Surface modification of thin film composite nanofiltration membrane with graphene oxide by varying amine linkers: Synthesis, characterization and performance  | Varshney P.S., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                    | Chemical Sciences  | Microbial Pathogenesis  | 2023                | 1        | 98      |
| Insights into the evolution of mutations in SARS-CoV-2 spike non-spikes proteins   | Arya R., Protein Crystallization Section, Bhabha Atomic Research Centre, Mumbai, India                             | Chemical Sciences  | Journal of Physical Chemistry Letters                           | 2023                | 2        | 232     |
| Facile Hydrogenation of Sugars to 1,2-Glycyl by Ru(BP)(OPPh <sub>3</sub> ) <sub>2</sub> Confined Large-Pore Mesoporous Silica  | Mandal A., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                        | Chemical Sciences  | Journal of Physical Chemistry A                                 | 2023                | 0        | 313     |
| Comparative transmittance of stem rust resistance in wheat NILs mediated by Sr24 rust resistance gene  | Vishwakarma G., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Mumbai, India       | Chemical Sciences  | Journal of the Royal Society, Interface                         | 2023                | 1        | 121     |
| Enhanced nitrobenzene sensing in metal anchored gamma pyrrole: predictions from density functional theory  | Kulkarni S., Inter University Centre for Nanoscience, Bhabha Atomic Research Centre, Mumbai, India                 | Chemical Sciences  | Frontiers in Materials  | 2023                | 1        | 255     |
| Design and synthesis of a novel chitosan-grafted poly(ethylene terephthalate) for thermal stability and mechanical properties  | Hegde A., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                         | Chemical Sciences  | Frontiers in Materials  | 2023                | 1        | 231     |
| Surface passivation of a linear crystal violet film system with high sensitivity for food irradiation application  | Moghekar U., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                      | Chemical Sciences  | Food and Bioproducts Processing                                 | 2023                | 0        | 96      |
| Hydrogen bonded linear chain assemblies of poly(ethylene terephthalate) with chitosan: effect of inter-chain polarization interaction, dynamic light scattering and viscosity studies  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Journal of Polymers and Polymers                                | 2023                | 1        | 125     |
| Need for establishment of database, design and design of laser-based separator module  | Moghekar U., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                      | Chemical Sciences  | Journal of Radiation Protection and Dosimetry                   | 2023                | 0        | 96      |
| Novel application of iron(III) manganese oxide in removing colic acid in ambient conditions  | Gupta A., Laser and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, India                          | Chemical Sciences  | Environmental Monitoring and Assessment                         | 2023                | 1        | 185     |
| Novelty of the novel Cd <sup>2+</sup> /BOD <sup>-</sup> dyadic and polymer as deep-red emitting probe for prostatine detection   | Gupta A., Laser and Photochemistry Division, Bhabha Atomic Research Centre, Mumbai, India                          | Chemical Sciences  | Journal of Plasticity   | 2023                | 0        | 169     |
| Deciphering the Role of Gamma Ray Induced Radicals in the Thermoluminescence Process of a Neutron to Cool Daylight Emitting Sr-144   | Singh K., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                         | Physical Sciences  | Journal of Nuclear and Particle Physics                         | 2023                | 0        | 80      |
| Total Reflection X-ray Fluorescence Spectrometric Analysis of Ten Lanthanides at the Ultralattice Level Having a High Degree of Overlap Confined in Chromogenic Tetrazole as a Visible Light Hoster toward MOF-Based Photoactive CO <sub>2</sub> Reducer in Water            | Paranjape S.R.V., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                 | Chemical Sciences  | ACS Omega   | 2023                | 0        | 88      |
| Co-preparation synthesis of pseudodopag A-Mo2 for 2D/Moene (T13C27) based asymmetric flexible supercapacitor   | Thakur V., Radiation Medicine Centre, Bhabha Atomic Research Centre, Mumbai, India                                 | Chemical Sciences  | Frontiers in Energy Research                                    | 2023                | 0        | 255     |
| Pressure induced Phase Transition Amorphization in $\text{Hg}(\text{NNO})_2$   | Bura N., CSR, National Physical Laboratory, New Delhi, India   | Physical Sciences  | Clinical Nuclear Medicine                                       | 2023                | 3        | 70      |
| Detection of polycyclic aromatic hydrocarbons on samples of coconuts   | Patil A., Space Physics Laboratory, Bhabha Atomic Research Centre, Mumbai, India                                   | Physical Sciences  | Scientific Reports  | 2023                | 2        | 313     |
| Comparative transmittance of stem rust resistance in wheat NILs mediated by Sr24 rust resistance gene  | Vishwakarma G., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Mumbai, India       | Chemical Sciences  | Journal of Astrophysics and Astronomy                           | 2023                | 0        | 313     |
| Enhanced nitrobenzene sensing in metal anchored gamma pyrrole: predictions from density functional theory  | Kulkarni S., Inter University Centre for Nanoscience, Bhabha Atomic Research Centre, Mumbai, India                 | Chemical Sciences  | PloS ONE  | 2023                | 0        | 435     |
| Overexpression of Chitinase 1,2-Oseltamivir Phosphate (Tamiflu) in <i>Escherichia coli</i> : a comparative study   | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Journal of the Mechanical Behavior of Biomedical Materials      | 2023                | 4        | 231     |
| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimurium  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Engineering Research Express                                    | 2023                | 0        | 19      |
| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimurium  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Nuclear and Particle Physics Proceedings                        | 2023                | 0        | 85      |
| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimurium  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Journal of Radiation Protection and Dosimetry                   | 2023                | 0        | 96      |
| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimurium  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Journal of Radiation Protection and Dosimetry                   | 2023                | 1        | 315     |
| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimurium  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Radiation Physics and Chemistry                                 | 2023                | 2        | 98      |
| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimurium  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Radiation Physics and Chemistry                                 | 2023                | 2        | 98      |
| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimurium  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Radiation Physics and Chemistry                                 | 2023                | 2        | 98      |
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| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimurium  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Radiation Physics and Chemistry                                 | 2023                | 2        | 98      |
| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimurium  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Radiation Physics and Chemistry                                 | 2023                | 2        | 98      |
| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimurium  | Patil A.P., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai, India                       | Chemical Sciences  | Radiation Physics and Chemistry                                 | 2023                | 2        | 98      |
| Effect of radiation on the properties of <i>Escherichia coli</i> and <i>Salmonella enterica</i> serovar Typhimur   |  |  |   |                     |          |         |

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|---|---|-----------------------------|---|------|-----|-----|
| Microstructure and magnetic properties of binary Mn54-Ag6 alloy particulates obtained by severe plastic deformation processing via electron microscopy  | Jo J., Department of Mechanical Engineering   | Engineering Sciences        | Journal of Magnetism and Magnetic Materials   | 2023 | 0   | 195 |
| Nonconical relationship between Heterogeneity and the Stokes-Einstein Breakdown in Deep Eutectic Solvents   | Srinivasan H., Solid State Physics Division, Bhabha Atomic Research Centre                        | Physical Sciences           | Journal of Physical Chemistry Letters   | 2023 | 1   | 232 |
| Confining charge transfer complex in a metal-organic framework for photocatalytic CO2 reduction in water  | Kannanakar S., Molecular Materials Laboratory, Bhabha Atomic Research Centre                      | Physical Sciences           | Nature Communications   | 2023 | 32  | 522 |
| Measurement of the t <sub>1</sub> charge asymmetry in events with highly boosted top quarks in pp collisions at s=13 TeV  | Tunayyan A., Yerevan Physics Institute, Yerevan, Armenia  | Physical Sciences           | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics  | 2023 | 1   | 263 |
| Smart Magnetic Nanocarriers for Codelivery of Nitro-Oxide and Desorbin for Enhanced Apoptosis in Cancer Cells   | Dutta B., Chemistry Division, Bhabha Atomic Research Centre                                       | Chemical Sciences           | ACS Omega   | 2023 | 3   | 98  |
| Exploring the peripatetic infection control practices & incidence of surgical site infections in rural India  | Nayana A., Seth GS Medical College and KEM Hospital   | Medical and Health Sciences | Antimicrobial Resistance and Infection Control  | 2023 | 2   | 64  |
| Insulator-to-metal-like transition in thin film of a biological metal-organic framework   | Sindhu P., Department of Chemistry, Indian Institute of Technology Madras                         | Physical Sciences           | Nature Communications   | 2023 | 4   | 522 |
| Dopant-activated magnetism and local structure properties of cubic shape Co <sub>3</sub> Ni <sub>2</sub> O <sub>3</sub>   | Dhanodkar M., Materials Science Programme, IIT Bombay   | Physical Sciences           | Materials Science in Semiconductor Processing   | 2023 | 2   | 83  |
| Structure and dynamics of the Li <sup>+</sup> -ion in water, methanol and acetone/triethyl solvents: ab initio molecular dynamics simulations   | Patalingashetti, Food Process Engineering Lab, IIT Bombay   | Physical Sciences           | Physical Chemistry Chemical Physics   | 2023 | 0   | 290 |
| Tough, flexible and oil-resistant film from recycled paper gauze and cellulose nanofibers for food packaging  | Patil A., Research Group on Sustainable Packaging, IIT Bombay                                     | Physical Sciences           | Food Packaging and Shelf Life   | 2023 | 3   | 73  |
| Neutron scattering study of the effect of CuO on the thermal stability of poly(ethylene terephthalate)  | Patil A., Research Group on Sustainable Packaging, IIT Bombay                                     | Physical Sciences           | Nuclear Engineering and Technology  | 2023 | 0   | 127 |
| What is new? 2023 Image 3-month Cardiovascular imaging: Emerging trends in Therapeutic applications   | Loharuk S., Radiation Medicine Centre, Bhabha Atomic Research Centre                              | Physical Sciences           | Journal of Nuclear Cardiology   | 2023 | 0   | 93  |
| Microrheometry-based investigation of biological effectiveness of 252Cr brachytherapy source: TOPICA Monte Carlo study  | Chattani A., Biophysical Physics and Advisory   | Physical Sciences           | Physics in Medicine and Biology   | 2023 | 0   | 215 |
| An augmented ODE phase plane: Mapping quasi-homoclinic bifurcation for hot, dense, rotating matter under magnetic field   | Muthukumar N., Nuclear Physics Division, Bhabha Atomic Research Centre                            | Physical Sciences           | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics  | 2023 | 0   | 283 |
| Understanding the self-sealing driven jamming behavior of colloids in droplets  | Mehra S., Solid State Physics Division, Bhabha Atomic Research Centre                             | Physical Sciences           | Colloids and Surfaces A: Physicochemical and Engineering Aspects  | 2023 | 1   | 195 |
| Cu(II)-BHT assisted modulations in the photophysical properties of 4-(E)-diaminob-2-phenylindole dye  | Sayed M., Radiation & Photochemistry Division   | Chemical Sciences           | Journal of Photochemistry and Photobiology A: Chemistry   | 2023 | 1   | 178 |
| Studies on welding of stainless steel sheets with pulsed nanosecond fiber laser in butt joint configuration   | Kumar A., Fuel Fabrication, Bhabha Atomic Research Centre   | Engineering Sciences        | Journal of Laser Applications   | 2023 | 2   | 64  |
| Magnetism in A V35S (4a <sub>1g</sub> , R <sub>2g</sub> ) Complex landscape of dynamical magnetic textures  | Dwivedi D.K., Reactor Physics Design Division   | Physical Sciences           | Physical Review B   | 2023 | 1   | 497 |
| Neutronics study of chloride fuel salts for experimental design of small Molten Salt Reactor  | Sharma D.B., Radiochemistry Division, Bhabha Atomic Research Centre                               | Chemical Sciences           | Nuclear and Particle Physics Proceedings  | 2023 | 0   | 85  |
| Development of a highly efficient gadolinium(III) potentiometric sensor using two zeta crown ether based multiple diglycolamides (DGAs)   | Dwivedi D.K., Reactor Physics Design Division   | Physical Sciences           | Micromechanical Journal   | 2023 | 0   | 107 |
| Comprehensive in situ and ex situ glucose-based assessment reveals insulin manganes as reservoirs of glycosidic aroma precursors  | Godea R., Symbiosis School of Biological Sciences, Bhabha Atomic Research Centre                  | Life Sciences               | Food Research International   | 2023 | 1   | 212 |
| Neutronics study of high energy e+ e- reaction in nearby baryon with leptonic model   | Manzoor A., Department of Physics, University of Mumbai   | Physical Sciences           | Monthly Notices of the Royal Astronomical Society   | 2023 | 1   | 372 |
| ARMOR(TB) <sub>n</sub> : Synthesis, structural characterization and thermoluminescence dosimetry studies for high intensity thermal neutron beam  | Sen A., Radiation Safety Systems Division, Bhabha Atomic Research Centre                          | Chemical Sciences           | Ceramics International  | 2023 | 3   | 195 |
| Effect of curvature on bilayer thickness of liposome suspensions in water   | Patil A., Department of Chemical Engineering, IIT Bombay  | Physical Sciences           | Physica Scripta   | 2023 | 0   | 97  |
| Hyperspectral structure measurements on a torsion pendulum of an 18 cm Fourier transform spectrometer   | A. Prakash, Department of Physics, Indian Institute of Technology Madras                          | Physical Sciences           | Journal of Quantitative Spectroscopy and Radiative Transfer   | 2023 | 0   | 122 |
| A probe for understanding the mechanism of formation of a counter ion   | Patil A., Department of Physics, Indian Institute of Technology Madras                            | Physical Sciences           | Journal of Non-Newtonian Liquids  | 2023 | 1   | 148 |
| Effect for understanding neutrino emission in nuclear fusion: The case of D-T   | Patil A., Department of Physics, Indian Institute of Technology Madras                            | Physical Sciences           | Physical Review C   | 2023 | 0   | 105 |
| Evolution of strain induced martensite to achieve high strength and ductility in Al91.204 L   | Eswari S., Mechanical Metallurgy Division, Bhabha Atomic Research Centre                          | Materials Characterization  | 2023  | 2    | 123 |     |
| Analysis of dynamic responses of circulating fuel reactors using a 30 day time-limited code ARCH  | Singh J., Reactor Physics Design Division   | Physical Sciences           | Nuclear and Particle Physics Proceedings  | 2023 | 0   | 80  |
| Combined experiments and atomic simulations for understanding the effect of Zn on the sodium citrate and sodium borosilicate glass  | Sahu P., Chemical Engineering Division, Bhabha Atomic Research Centre                             | Chemical Sciences           | Journal of Non-Crystalline Solids   | 2023 | 3   | 166 |
| Imaging of bacterial infection: Harnessing proton emission tomography and Cherenkov luminescence imaging with UBi-derived octa-alkyl lanthanide   | Mitra J., Radiopharmaceuticals Division, Bhabha Atomic Research Centre                            | Physical Sciences           | Drug Development Research   | 2023 | 0   | 67  |
| A Clinical Comparison of Diagnostic and Therapeutic Challenge: A Tale of Two Diseases in One Case   | Gakkad P., Indian Council of Medical Research   | Medical and Health Sciences | Journal of Clinical Immunology  | 2023 | 1   | 115 |
| Probing the effect of Y3/Gd3 on the optical properties of Gd <sub>2</sub> Y <sub>2</sub> Tb <sub>5</sub> O <sub>12</sub> Eu <sub>3</sub> : Insight into local site-luminescence correlation                               | Jafar M., Chemistry Division, Bhabha Atomic Research Centre                                       | Chemical Sciences           | Inorganic Chemistry Communications  | 2023 | 1   | 81  |
| Overview of the physics challenges in design of new energy systems  | Kanavali A., Reactor Physics Design Division, Bhabha Atomic Research Centre                       | Physical Sciences           | Nuclear and Particle Physics Proceedings  | 2023 | 0   | 80  |
| High-pressure structural phase transition on B14MgO2d   | Botella P., Departamento de Física Aplicada II, Universidad de Valencia                           | Physical Sciences           | Journal of Physics and Chemistry of Solids  | 2023 | 0   | 121 |
| Diagnostic potential of serum HSP90 beta for HNSCC and its therapeutic prognosis after local hyperthermia therapy   | Shethake N.G., Radiation Biology and Health Sciences  | Life Sciences               | Research in Microbiology  | 2023 | 0   | 119 |
| Programmed cell death in Xanthomonas axonopodis pv. glycines is associated with modulation of gene expression resulting in altered standard growth rate   | Banerjee D., Radiopharmaceuticals Targeted Bacterial Infection                                    | Physical Sciences           | Journal of Nuclear Medicine   | 2023 | 6   | 239 |
| The Development and Validation of Radiopharmaceuticals Targeting Bacterial Infection  | Singh K., Applied Radiation and Instrumentation Division  | Physical Sciences           | Molecular Catalysis   | 2023 | 0   | 175 |
| Single-pot method operando for 2-amino-4-chromones synthesis utilizing amine functionalized graphene oxide decorated with pyrromellitic dianhydride and evaluation of its catalytic performance                           | Tripathi A., Radiopharmaceuticals Division, Bhabha Atomic Research Centre                         | Chemical Sciences           | Journal of Photochemistry and Photobiology A: Chemistry   | 2023 | 0   | 174 |
| Radiopharmaceuticals in Cancer Therapy and its present scenario   | Patel S., Radiation Safety Systems Division, Bhabha Atomic Research Centre                        | Physical Sciences           | Pharmacokinetics and Pharmacodynamics   | 2023 | 0   | 95  |
| Faciton many-body interactions and charge transfer in Cu(II) complexes of 2,3,5-trihydroxybenzoic acid  | Mitra N.C., Department of Physics, Indian Institute of Technology Madras                          | Physical Sciences           | Physical Review B   | 2023 | 1   | 490 |
| Debye, off-center, ultrafast broadband nonlinear optical properties of TiO <sub>2</sub> -loaded complex phosphate glasses   | Lahiri J., Energy and Materials Division, Bhabha Atomic Research Centre                           | Chemical Sciences           | Materials Research Bulletin   | 2023 | 0   | 130 |
| Role of ammonium ion liquid and Nd nanoparticles in castor-based graphite deintercalation and recycling process   | Singh J., Laser & Plasma Technology Division, Bhabha Atomic Research Centre                       | Engineering Sciences        | Ultrasonics Sonochemistry   | 2023 | 0   | 170 |
| Assessment of metallic nematene-based current mirror-contractor for non-dissolve solvent extraction: Experimental studies and hydrokinetic evolution of groundwater in northwestern part of the Indus-Ganges Basin, India | Charakula R.K., Homi Bhabha National Institute, Mumbai  | Physical Sciences           | Chemical Engineering and Processing - Process Intensification   | 2023 | 2   | 125 |
| Hydrokinetic evolution of groundwater in northwestern part of the Indus-Ganges Basin, India: A geochemical and isotopic approach  | Prakash R.S., Department of Geology, Homi Bhabha National Institute                               | Engineering Sciences        | Geoscience Frontiers  | 2023 | 3   | 86  |
| Block Copolymer Encapsulation of Disulfon, an inhibitor of BCL2 that Improved Chemotherapeutic Potential  | Joy A., Bio-organic Laboratory, Department of Chemical Sciences                                   | Chemical Sciences           | ACS Omega   | 2023 | 1   | 98  |
| A study on the evolution of carbide phases in the 12-0.1C alloy under the influence of neutron and Ne ion irradiation   | Goel L., Homi Bhabha National Institute, Mumbai   | Physical Sciences           | Journal of Alloys and Compounds   | 2023 | 1   | 214 |
| Nitrogen containing reductants for the corrosion control of alloys relevant to nuclear reactors   | Kumar P.S., Radiation and Deposit Control Division, Bhabha Atomic Research Centre                 | Chemical Sciences           | Annals of Nuclear Energy  | 2023 | 0   | 82  |
| Structurally optimized Mn <sub>6</sub> -based photocatalytic membrane to achieve self-cleaning properties and enhanced removal for small molecules  | Patel D., Solid State Physics Division, Bhabha Atomic Research Centre                             | Physical Sciences           | Separation and Purification Technology  | 2023 | 7   | 202 |
| ZnGa2-xAl0.4K x = 0.2 spin-glass for perpendicularly aligned emission and HERDOR bi-functional catalyst   | Parwal P.T., Radiopharmacy Division, Bhabha Atomic Research Centre                                | Chemical Sciences           | RSC Advances  | 2023 | 8   | 210 |
| Phosphorization Engineering on a Mo/Pt-Doped Metal Phosphate Heterostructure (Cu <sub>2</sub> 3PnMo) for an Electrode for Enhanced Supercapacitor   | Naik N., Department of Chemistry, Indian Institute of Technology Madras                           | Chemical Sciences           | Inorganic Chemistry   | 2023 | 9   | 253 |
| Amino acids induced modifications in linear PEPO-PED triblock copolymer microstructures and its exploration in prototypal drug delivery   | Chandrababu K., School of Physics, Panjab University  | Physical Sciences           | Journal of Surfactants and Detergents   | 2023 | 0   | 58  |
| Characterization of BRCA2 BBS2 variant in mice suggests its functional impact as a low-risk variant   | Mitra A., Mouse Genetics Program, Bhabha Atomic Research Centre                                   | Life Sciences               | Cell Death and Disease  | 2023 | 0   | 124 |
| Crystal structures of Pd and Pt from isoquinolines substituted with alkyl substituents at 4-6   | Prashar A., Nuclear Astrophysics, Bhabha Atomic Research Centre                                   | Chemical Sciences           | Journal of Crystallography and Polymers   | 2023 | 1   | 95  |
| Heat transfer characteristics and design aspects of thermocouples in copper-chromium thermocouple water splitting cycle   | Thomas D., Chemical Engineering Group, Bhabha Atomic Research Centre                              | Engineering Sciences        | International Journal of Hydrogen Energy  | 2023 | 2   | 263 |
| 1H-NMR Resonance Raman Sensor for Creative Detection: Thorvald-T and Sulfated 4-Cyclodextrin Synergy  | Reis S., Radiation & Photochemistry Division, Bhabha Atomic Research Centre                       | Chemical Sciences           | ACS Applied Bio Materials   | 2023 | 3   | 55  |
| CoMoCr: a novel ferromagnetic material with high spin-orbit polarization for room temperature spintronics   | Gupta S., Condensed Matter Physics Division, Bhabha Atomic Research Centre                        | Physical Sciences           | Journal of Materials Chemistry C  | 2023 | 1   | 183 |
| Reactor physics research at BARC: Aspects and scope   | Singh T., Research Reactor Services Division, Bhabha Atomic Research Centre                       | Physical Sciences           | Nuclear and Particle Physics Proceedings  | 2023 | 0   | 80  |
| late-stage ligand Modification After Coordination Strengthens Self-Assembled Ethylene Ether Complexes   | Rao S., Department of Chemistry, Indian Institute of Technology Madras                            | Chemical Sciences           | Chemistry - An Asian Journal  | 2023 | 0   | 124 |
| WS2 nanosheets decorated multi-layered MXene based chemiresistor sensor for efficient detection and discrimination of NH <sub>3</sub> and NO <sub>2</sub>   | Sardana S., Department of Physics, Guru Nanak Dev University                                      | Physical Sciences           | Sensors and Actuators B: Chemical   | 2023 | 22  | 236 |
| UR1 inhibits mitochondrial hyperfusion associated mito-biub formation to sensitize oral cancer cells for apoptosis in a miR105-dependent manner   | Patra S., Cancer and Cell Death Laboratory, Bhabha Atomic Research Centre                         | Physical Sciences           | Cell Death and Disease  | 2023 | 3   | 164 |
| Understanding the excited state dynamics and radiative behavior of highly luminescent and electrically active EuIIl <sup>3+</sup> complex   | Patil S.M., Fuel Chemistry Division, Bhabha Atomic Research Centre                                | Chemical Sciences           | Dalton Transactions   | 2023 | 2   | 211 |
| Modeling of Traylor-BW lattice and core to estimate the required number of SR <sub>88</sub> startup neutron sources   | Rai B., Bhabha Atomic Research Centre, Mumbai   | Physical Sciences           | Nuclear and Particle Physics Proceedings  | 2023 | 0   | 80  |
| Current Density Dependence of Transport Selectivity of Metal ions in the Electrodien Process across the Cation Exchange Membrane  | Mani A.M., Chemical Sciences Department, IIT Bombay   | Physical Sciences           | Journal of Physical Chemistry B   | 2023 | 1   | 422 |
| Benchmarking exercise of Monte Carlo neutron transport code for hexagonal core reactor geometry   | Kalwar S., Department of Nuclear Energy and Technology, IIT Bombay                                | Physical Sciences           | Korean Journal of Chemical Engineering  | 2023 | 0   | 77  |
| Long-range and local structure evolution in Y1.8Ba <sub>2</sub> Ca <sub>2</sub> Eu <sub>0.7</sub> O <sub>7</sub> under static high pressure   | Kalwar S., High Pressure and Synchrotron Radiation Division, Bhabha Atomic Research Centre        | Physical Sciences           | Physical Review B   | 2023 | 0   | 497 |
| Chlorophyll gene sequence of <i>Chlorophytum comosum</i> (L.) (casuarinae), a vulnerable resource from Western Ghats  | Patel A., Department of Chemistry, IIT Bombay   | Chemical Sciences           | Gene  | 2023 | 0   | 175 |
| Chlorophyll gene sequence of <i>Chlorophytum comosum</i> (L.) (casuarinae), a vulnerable resource from Western Ghats  | Patel A., Department of Chemistry, IIT Bombay   | Chemical Sciences           | Proteins and Interfaces   | 2023 | 0   | 45  |
| Reduction processing of epoxide - A reliable method to improve shelf life   | Patel A., Department of Chemistry, IIT Bombay   | Chemical Sciences           | Applied Radiation and Isotopes  | 2023 | 1   | 265 |
| Evaluation of integral parameters of RAP and AAEK benchmarks using a TRAC code and ENDF-VIII library  | Singh A., Reactor Physics Design Division, Bhabha Atomic Research Centre                          | Engineering Sciences        | Nuclear and Particle Physics Proceedings  | 2023 | 0   | 80  |
| WS2 nanosheets decorated multi-layered MXene based chemiresistor for efficient detection and discrimination of NH <sub>3</sub> and NO <sub>2</sub>  | Sardana S., Department of Physics, Guru Nanak Dev University                                      | Physical Sciences           | Cell Death and Disease  | 2023 | 3   | 236 |
| UR1 inhibits mitochondrial hyperfusion associated with redox cycling of Mn <sup>2+</sup> and Mn <sup>3+</sup> in Drosophila for estimation of minor and trace elements  | Patra S., Cancer and Cell Death Laboratory, Bhabha Atomic Research Centre                         | Chemical Sciences           | Drug Delivery and Translational Research  | 2023 | 2   | 62  |
| High pressure studies of Mg <sub>2</sub> SiO <sub>5</sub> compound  | Das A., Research Reactor Services Division, Bhabha Atomic Research Centre                         | Physical Sciences           | ACS Applied Materials and Interfaces  | 2023 | 0   | 28  |
| Development of a new Monte Carlo neutron transport code for radiation shielding   | Das A., Research Reactor Services Division, Bhabha Atomic Research Centre                         | Physical Sciences           | Carbohydrate Polymers   | 2023 | 0   | 274 |
| Influence of vacancy density on NH3 adsorption: A density functional theory investigation   | Lashkari S., International Center for Interdisciplinary Sciences, Bhabha Atomic Research Centre   | Physical Sciences           | Nanotechnology  | 2023 | 7   | 228 |
| Incidence of needstick injury among healthcare workers in western india   | Naidu R.T., Department of Pathology, Bhabha Atomic Research Centre                                | Medical and Health Sciences | Indian Journal of Medical Research  | 2023 | 0   | 104 |
| An outline of highly neutron reaction simulations for advanced nuclear reactor concepts   | Gupta A., Reactor Physics Design Division, Bhabha Atomic Research Centre                          | Physical Sciences           | Nuclear and Particle Physics Proceedings  | 2023 | 0   | 80  |
| Probing site-selective doping and charge compensating effects in KMFe <sub>3</sub> : Insights from a hybrid DFT study   | Rao S., Department of Chemistry, Indian Institute of Technology Madras                            | Chemical Sciences           | Chemistry - An Asian Journal  | 2023 | 0   | 124 |
| Design, synthesis and evaluation of 17 <sup>3</sup> I-labeled inverted and retro-inverso AP peptide variants targeting HER2-overexpression  | Sardana S., Department of Physics, Guru Nanak Dev University                                      | Physical Sciences           | Sensors and Actuators B: Chemical   | 2023 | 22  | 236 |
| Magnetooptical effect in NiFeP deposited on Cu substrate through electroposition  | Kumar S., Radiopharmaceuticals Division, Bhabha Atomic Research Centre                            | Chemical Sciences           | Biogeochemistry   | 2023 | 0   | 86  |
| Understanding of the Effectiveness Method for Depositing Metal Pd Nanoclusters over Hydrazine Support for Removal of Hydrogen   | Tanwar S., Department of Chemical Engineering, IIT Bombay   | Chemical Sciences           | Journal of Solid State Chemistry  | 2023 | 2   | 177 |
| Experimental strategy for acidic front propagation in aqueous solution matrices. Non-aqueous leaching followed by selective solid phase extraction  | Kumar S., Department of Chemical Engineering, IIT Bombay  | Chemical Sciences           | Physical Chemistry Chemical Physics   | 2023 | 0   | 290 |
| 1D passivation/redundancy for targeted drug delivery and real time monitoring by radiotracer imaging for HER2 overexpressing  | Singh A., Radiopharmacy Division, Bhabha Atomic Research Centre                                   | Chemical Sciences           | Korean Journal of Chemical Engineering  | 2023 | 1   | 307 |
| A high-density, 128 channel to digital converter in FPGA for trigger and data acquisition system  | Eshwar S., Radiopharmacy Division, Bhabha Atomic Research Centre                                  | Physical Sciences           | Prat Development Research   | 2023 | 0   | 61  |
| Enhancement of Hole Extraction in Carbon-Based Organic-Heterogeneous Hybrid Perovskite Solar Cells Using MAPbI <sub>3</sub> NO Composite  | Patel R.J., Department of Physics, IIT Bombay   | Physical Sciences           | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023 | 0   | 181 |
| Capture of Volatile Iodine Gas and Identification of Adsorption Sites in the Porous Network of Undiluted Imidazole-Under- Incorporated  | Patel R.J., Department of Physics, IIT Bombay   | Physical Sciences           | Journal of Electronic Materials   | 2023 | 1   | 112 |
| Taloring Acid Free Paper Based Analytical Device (AF-PADs) via radiation assisted modification of cellulose paper   | Patel R.J., Department of Physics, IIT Bombay   | Physical Sciences           | ACS Applied Materials and Interfaces  | 2023 | 3   | 284 |
| SHPLC/Cd hybrid heterosteric based photodetector with low dark current and enhanced sensitivity   | Patel R.J., Department of Physics, IIT Bombay   | Physical Sciences           | Carbohydrate Polymers   | 2023 | 3   | 274 |
| Hybrid CdF - Petri net approach for dynamic reliability analysis of smart transmitters  | Kumar A., Department of Chemical Engineering, IIT Bombay  | Chemical Sciences           | Materials Science in Semiconductor Processing   | 2023 | 0   | 85  |
| Transit time estimation of drying springs in Uttarakhand region using environmental Tritium Concentration   | Sharma D.B., Radiochemistry Division, Bhabha Atomic Research Centre                               | Chemical Sciences           | Quality and Reliability Engineering International   | 2023 | 0   | 72  |
| Field and polarization-dependent spin dynamics in spin polarized Fermi gases  | Chatterjee S., Ionizing Radiation Hydrology Section, IIT Bombay                                   | Physical Sciences           | Journal of Environmental Radioactivity  | 2023 | 0   | 107 |
| Experimental validation of the effect of the electric field on the ionization rate of the atmosphere  | Pitch P., Department of Physics, TU Dortmund  | Physical Sciences           | Physical Review B   | 2023 | 1   | 497 |
| Activation cross section for the capture of the 10Be(n,2n) reaction on 10Be to 25 MeV energy region   | Debaise P.A., Attila Material & Metal Division, Bhabha Atomic Research Centre                     | Engineering Sciences        | Journal of the Taiwan Institute of Chemical Engineers   | 2023 | 2   | 113 |
| Temperature dependent polarization contribution on conduction mechanism in ceria-based devices  | Patel R.J., Department of Chemistry, IIT Bombay   | Physical Sciences           | Carbon  | 2023 | 10  | 328 |
| Temperature dependent polarization contribution on conduction mechanism in ceria-based devices modelled by the Drude model  | Patel R.J., Department of Chemistry, IIT Bombay   | Physical Sciences           | Physical Review B   | 2023 | 2   | 130 |
| Enhancing N+ storage in thorium-232 to high purity, high capacity hard carbon tapers to develop high performance high-temperature solid-state batteries   | Bhawna K., Department of Physics, IIT Bombay  | Physical Sciences           | Journal of Environmental Radioactivity  | 2023 | 0   | 105 |
| Temperature dependent polarization contribution on conduction mechanism in ceria-based devices modelled by the Drude model  | Patel R.J., Department of Chemistry, IIT Bombay   | Physical Sciences           | Physical Review B   | 2023 | 1   | 497 |
| Temperature dependent polarization contribution on conduction mechanism in ceria-based devices modelled by the Drude model  | Patel R.J., Department of Chemistry, IIT Bombay   | Physical Sciences           | Journal of the Taiwan Institute of Chemical Engineers   | 2023 | 2   | 113 |
| Activation of the B3LYP functional for the calculation of the 10Be(n,2n) reaction   | Patel R.J., Department of Chemistry, IIT Bombay   | Physical Sciences           | Computational and Theoretical Chemistry   | 2023 | 0   | 98  |
| Activation of the B3LYP functional in the Pd-SiO <sub>2</sub> ceramic matrix as a percolating network   | Patel R.J., Department of Chemistry, IIT Bombay   | Physical Sciences           | Computational and Theoretical Chemistry   | 2023 | 2   | 80  |
| Collective enhancement of nuclear level density and its fate in D-1s  | Sankaranarayanan S., Ionizing Radiation Hydrology Section, IIT Bombay                             | Physical Sciences           | Physical Review C   | 2023 | 0   | 238 |
| Flexibility and tunability of the 2D layered materials with organic chalcogenides   | Benhoucoub L., Laboratoire de chimie macromoléculaire, Université de Montréal                     | Physical Sciences           | Journal of Materials Science: Materials in Electronics  | 2023 | 0   | 97  |
| Activation of the B3LYP functional for the calculation of the 10Be(n,2n) reaction   | Patel R.J., Department of Chemistry, IIT Bombay   | Physical Sciences           | Journal of Materials Science: Materials in Electronics  | 2023 | 0   | 96  |
| Evaluation of diquadrupole and hexadecapole deformation parameters of the sd shell nucleus, 2s <sub>1/2</sub>   | Singh R.K., Department of Physics, Faculty of Technology, Panjab University                       | Physical Sciences           | Applied Radiation and Isotopes  | 2023 | 0   | 90  |
| Diabolical fission-molecular carriers as proposed diagnostic tool for CTN <sub>6</sub> tumors by using neutron capture therapy  | Goyal P., Radiochemistry Division, Bhabha Atomic Research Centre                                  | Chemical Sciences           | ACS Omega   | 2023 | 1   | 98  |
| Instrumental neutron activation analysis by thermal neutron capture for determination of trace elements in dental materials   | Upadhyaya R., Department of Pharmaceutical Sciences, Panjab University                            | Physical Sciences           | Drug Delivery and Translational Research  | 2023 | 2   | 62  |
| Instrumental neutron activation analysis by thermal neutron capture for determination of trace elements in dental materials   | Upadhyaya R., Department of Pharmaceutical Sciences, Panjab University                            | Physical Sciences           | Journal of Radioanalytical and Nuclear Chemistry  | 2023 | 0   | 75  |
| Initial core loading pattern optimization studies using estimation of distribution algorithm for VVER type cores  | Thakur A., Reactor Physics Design Division, Bhabha Atomic Research Centre                         | Physical Sciences           | Journal of Nuclear Engineering and Design   | 2023 | 0   | 123 |
| Planar scale aerodynamic granular slider receptors with granular activated carbon for effective nitrogen and phosphorus removal from domestic wastewater  | Nanchangarayulu Y.V., Biofertilization and Biofertilizers Division, Bhabha Atomic Research Centre | Chemical Sciences           | Science of the Total Environment  | 2023 | 2   | 353 |
| The role of anisotropic interactions in the Pd-SiO <sub>2</sub> ceramic matrix as a percolating network   | Gupta A., Reactor Physics Division, Bhabha Atomic Research Centre                                 | Chemical Sciences           | Computational and Theoretical Chemistry   | 2023 | 0   | 98  |
| Topological summing correction for a BEG detector in close geometry measurements  | Gupta A., Reactor Physics Division, Bhabha Atomic Research Centre                                 | Chemical Sciences           | Computational and Theoretical Chemistry   | 2023 | 2   | 80  |
| Ultra-bright and thermally stable red emitting doped quantum nanoparticle for tunable white LEDs and indoor plant growth  | Patel R.T., Radiopharmacy Division, Bhabha Atomic Research Centre                                 | Chemical Sciences           | Materials Advances  | 2023 | 3   | 42  |
| Topology driven and soft photon driven Nernst effect in organic chalcogenides   | Patel R.T., Radiopharmacy Division, Bhabha Atomic Research Centre                                 | Chemical Sciences           | Journal of Materials Chemistry A  | 2023 | 2   | 295 |
| Design, synthesis and development of a dual inhibitor of Topoisomerase I and poly (ADP-ribose) polymerase 1 for efficient killing of cancer cells   | Patel R.T., Radiopharmacy Division, Bhabha Atomic Research Centre                                 | Chemical Sciences           | Microbiology Spectrum   | 2023 | 0   | 25  |
| Effectiveness of gene silencing using CRISPR system in the myoblastoma rodent fibroblast cell line C2C12  | Patel R.T., Radiopharmacy Division, Bhabha Atomic Research Centre                                 | Chemical Sciences           | Microbiology Spectrum   | 2023 | 1   | 81  |
| Design, synthesis and development of a dual inhibitor of Topoisomerase I and poly (ADP-ribose) polymerase 1 for efficient killing of cancer cells   | Patel R.T., Radiopharmacy Division, Bhabha Atomic Research Centre                                 | Chemical Sciences           | European Journal of Medical Chemistry   | 2023 | 2   | 203 |
| Eu <sup>3+</sup> as a spectroscopic probe to understand local site-luminescence correlation in yttrium-aluminum garnet in nuclear applications  | Jafar M., Chemistry Division, Bhabha Atomic Research Centre                                       | Physical Sciences           | Nuclear Engineering and Technology  | 2023 | 1   | 66  |
| Diffusion of radionuclides in Fe-montmorillonite relevant to geological disposal of HLW   | Jafar M., Chemistry Division, Bhabha Atomic Research Centre                                       | Physical Sciences           | Radioactive Waste Management  | 2023 | 0   | 125 |
| Remarkably enhanced luminescence in La <sub>2</sub> O <sub>3</sub> doped nanoparticle for photothermal cancer therapy and SPECT imaging   | Chikamori S., Department of Chemistry, Raoul Wallenberg Institute of Nanoscience, Lund University | Chemical Sciences           | Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy   | 202  |     |     |

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| Microstructural changes and enhanced biodegradable compatibility of radiation-processed Nitrile Butadiene Rubber in mixed fuel environment   | Kwak S.S., Department of Atomic Energy, Nau   | Journal of Polymer Research                         | 2023   | 1    | 70  |     |
| Tech-economic and die comparisons of various thermodynamic power cycles for low-medium grade heat recovery   | Srinivasu M., Department of Mechanical Engg Engineering Sciences                                  | Process Safety and Environmental Protection         | 2023   | 4    | 111 |     |
| Investigating the characteristics of 11 kHz excitation of EFCAP and its selective effect on breast cancer cell death   | Mitra V.C., Laser & Plasma Technology Division  | Plasma Processes and Polymers                       | 2023   | 0    | 89  |     |
| Realizing an Optical Micro-structure in a Cu/Co24 W-Cu/Co24 Thin Film Stacks for Spectrally Selective Solar Absorbers  | Biswas J., School of Physics, Indian Institute of Physical Sciences                               | Advanced Optical Materials                          | 2023   | 2    | 145 |     |
| Proscand laser-induced hybrid groove structures on Ti-EAl4V bio-alloy to accelerate esosseointegration   | Kedra S., Laser & Plasma Technology Division  | Life Sciences; Physical Sciences                    | Journal of Biomedical Materials Research - Part B Applied Biomaterials           | 2023 | 0   | 129 |
| Inter-species competition of surface bacterial flora of pomegranate and their role in spoilage   | Pant I., Food Technology Division, Bhabha Atoll   | Life Sciences                                       | World Journal of Microbiology and Biotechnology                                  | 2023 | 0   | 113 |
| Effect of Postdeposition Heat Treatment on the Nanomechanical Behavior of Crancing Angle-Deposited Silver Nanostructures   | De. S., Photonics and Nanotechnology Section  | Physical Sciences                                   | Physica Status Solidi (A) Applications and Materials Science                     | 2023 | 0   | 134 |
| C24 Fullerene and its derivatives as a viable glucose sensor: DFT and TD-DFT studies   | Tukralova N.A., Department of Physics, The IITM   | Physical Sciences                                   | Surfaces and Interfaces  | 2023 | 12  | 63  |
| Conformational effects in the vibrational and electronic spectra of propionaldehyde: Experimental and theoretical studies  | Sharma M., Atomic & Molecular Physics Division  | Physical Sciences                                   | Journal of Chemical Physics  | 2023 | 0   | 395 |
| Probabilistic Assessment of Low-Dose-rate Radiation and Radiotherapy Exposure Risk for North-Eastern Rajasthan, India  | Kumar S., Nuclear Waste Group, Bhabha Atomic  | Chemical Sciences                                   | Journal of Hazardous, Toxic, and Radioactive Waste                               | 2023 | 0   | 39  |
| Design and synthesis of 800nm IR-shielding polymer in carbon nanotubes for thermal energy cycling: Experimental and theoretical investigations   | Ashok K., Department of Physics, The IITM   | Physical Sciences                                   | Solid State Physics  | 2023 | 2   | 234 |
| Design and synthesis of 800nm IR-shielding polymer in carbon nanotubes for thermal energy cycling: Experimental and theoretical investigations   | Patil P., Department of Physics, The IITM   | Physical Sciences                                   | Therm: A European Journal  | 2023 | 2   | 225 |
| Selective removal of uranium from aqueous streams using magnetic adsorbents  | Gandhi V.V., Homi Bhabha National Institute   | Chemical Sciences                                   | Environmental Science: Water Research & Technology                               | 2023 | 0   | 154 |
| Defect-engineered MnO <sub>2</sub> nanoparticles by low-energy ion beam irradiation for enhanced electrochemical energy storage applications   | Malik S., High Performance Radiation Technology Development                                       | Chemical Sciences                                   | Electrochimica Acta  | 2023 | 3   | 276 |
| CellSort: A high-performance, radiation-induced cellulase-based adsorbent for Uranium (VI) remediation in ground water   | Maharana B., School of Basic Sciences, Indian   | Physical Sciences                                   | Separation and Purification Technology   | 2023 | 6   | 202 |
| Ta intercalated C60@Ta: Role of C60 thickness and thermal annealing in modification of structural and magnetic properties  | Vardhan H., Amitiary Center for Spintronics Mater   | Physical Sciences                                   | Surfaces and Interfaces  | 2023 | 1   | 63  |
| Transcriptional regulation of Human Shiga Toxin Protein II Transcript Factor Confers Tolerance   | Kumar R.R., Division of Biochemistry, Indian A  | Physical Sciences                                   | Plants   | 2023 | 0   | 92  |
| Effect of picosecond-laser induced microstructuring of TiAl4V alloy on its tribological and corrosion properties   | Kedra S., Laser & Plasma Technology Division  | Physical Sciences                                   | Applied Physics A: Materials Science and Processing                              | 2023 | 0   | 154 |
| Evaluation of Fenton Expression Using Nuclear Imaging Modality and Immunohistochemistry to Analyze Thyroid Cancer Model  | Gholve C.S., Radiation Medicine Centre, Bhabha  | Life Sciences                                       | Indian Journal of Nuclear Medicine   | 2023 | 0   | 18  |
| Controlled synthesis of photoisomerizable (Bz231) nanostructure mediated through a 1D bisbenzyl pyridimidofluoride co-   | Kulkarni A.Y., Department of Chemistry, K. J. Somaiya   | Chemical Sciences                                   | Dalton Transactions  | 2023 | 1   | 211 |
| Transverse single-axis symmetry of charge carriers at forward and backward偏置 in polarized $p$ -n and $p$ -n <sub>0</sub> collisions at 500 GeV   | Abdulmuhsin A., Czech Technical University, Prague  | Physical Sciences                                   | Physical Review D  | 2023 | 1   | 393 |
| Post-radiation treatment of 3,3'-dithiodipropionic acid augments cell kill by modulation of DNA repair and migration pathways in A549  | Mal D., Water and Steel Chemistry Division, Chemical Sciences; Medical and Health Sciences        | Chemical Sciences; Physical Sciences                | Ultramicro Life  | 2023 | 2   | 134 |
| Effects of microstructure on radiative degradation of nuclear grade carbonaceous Resin: Gel versus macro-porous  | Padwal K.M., Molecular Biology Division, Bhabha   | Chemical Sciences; Medical and Health Sciences      | Radiation Physics and Chemistry  | 2023 | 2   | 98  |
| Application of Machine Learning to Predict Hepatic Metastasis or Primary Site in Gastroenteropancreatic Neuroendocrine Tumors  | Padwal K.M., Molecular Biology Division, Bhabha   | Chemical Sciences; Medical and Health Sciences      | Cancer Oncology  | 2023 | 0   | 68  |
| Luminescent Y2ZrO <sub>3</sub> for Ultrafast and Selective Detection of Metal Organic Compounds Driven by Oxygen Vacancies   | Parikh P.T., Home Bhabha National Institute, Chemical Sciences                                    | Chemical Sciences                                   | ACS Applied Electronic Materials   | 2023 | 5   | 49  |
| Designing the most effective and stable perovskite solar cells using PbS <sub>x</sub> Reduced Graphene Oxide Hybrid  | Patel S., Department of Physics, The IITM   | Physical Sciences                                   | Journal of Physics: Condensed Matter   | 2023 | 1   | 130 |
| Search for muonium using jets from bottom quarks in ATLAS collision of $\sqrt{s} = 13$ TeV   | Patra S., Department of Physics, The IITM   | Physical Sciences                                   | Physics Letters, Section B: Elementary Particle and High Energy Physics          | 2023 | 2   | 245 |
| Uranium-Sensitized Luminescence Enhancement in Li2Ba4LiO <sub>3</sub> and Potential Application towards Color-Tunable Phosphors and Applications   | Tanayev A., Yerevan Physics Institute, Yerev  | Chemical Sciences                                   | Applied Optics   | 2023 | 13  | 145 |
| Influence of Mn/Fe3+ on the physical properties of metallocene gate polymers   | Vishnubhu P., Department of Physics, Savitri  | Chemical Sciences                                   | Pramana - Journal of Physics   | 2023 | 1   | 61  |
| Soft micellization conducted in PEO-PPO-PBO based block copolymers: A thermo-response approach   | Tripathi N., Department of Chemistry, Sardar  | Chemical Sciences                                   | Soft Matter  | 2023 | 5   | 203 |
| Methods and applications of PEO-PPO-PBO based block copolymers: A thermo-response approach   | Gupta A.K., Reactor Design Division, Bhabha   | Physical Sciences                                   | Life Cycle Reliability and Safety Engineering                                    | 2023 | 0   | 4   |
| Functionalized Carbon Nanobubbles Encapsulated Aligned Beads for the Removal of Mercury Ions: Design, Synthesis, Density Functional Theory   | Singha D., Chemical Engineering Division  | Chemical Sciences; Engineering Sciences             | ACS Omega  | 2023 | 3   | 98  |
| Differentiation of Disordant Lesions on Dual-Tracer PET/CT (68Ga-PSMA-11 and 18F-FDG) in Prostate Carcinoma: Diagnosis of Secondary Lesions  | Chukhnya A., Radiation Medicine Centre, Bhabha  | Medical and Health Sciences                         | Journal of Nuclear Medicine Technology   | 2023 | 1   | 46  |
| Compositional of Calf Thymus by a Potential One-Head Two-Tail Toolkit: Suitability of Nanomaterials and Biological Testing for <i>deoxydA</i> , 5, DeoxydC, Biotin, Biotin                 | Daval V.J., Homi Bhabha National Institute  | Physical Sciences                                   | ACS Applied Bio Materials  | 2023 | 0   | 53  |
| Activation cross sections of radionuclides produced by alpha induced reactions on neutron up to 40 MeV for optimized production of 171Tm   | Raju S.W., Radiochemistry Division, BARC, Bhabha  | Physical Sciences                                   | European Physical Journal A  | 2023 | 0   | 109 |
| Development of process for purification of strontium nitrate rich solution to qualify for R05-R09 generator  | Das A., Materials Group, Bhabha Atomic  | Chemical Sciences                                   | Journal of Radioanalytical and Nuclear Chemistry                                 | 2023 | 0   | 73  |
| Fracture complements of a nanocarbonaceous microstructure  | Parikh P.T., Home Bhabha National Institute, Chemical Sciences                                    | Applied Physics A: Materials Science and Processing | 2023   | 2    | 164 |     |
| Application of Thymothele Ameliorates Stress and Reduces Accumulation of Arsenic in Wheat ( <i>Triticum aestivum</i> L.) Plants Grown in Contaminated Soil                                 | Shahla A., Plant Stress Biology Laboratory, Inst  | Life Sciences                                       | Journal of Plant Growth Regulation   | 2023 | 2   | 104 |
| Probing Microscale Structuring Induced Peptide Sequences with Fluorescence Recovery Diffusion Assays in Poly(ethylene glycol) Solutio  | S. Department of Physics, Faculty of  | Physical Sciences                                   | ACS Omega  | 2023 | 0   | 18  |
| Dual-Polarity Switching in Self-Healing Ag/MgO Nanophotopolymers   | Rajput A., Materials Research Centre, Indian  | Physical Sciences                                   | ACS Applied Optical Materials  | 2023 | 1   | 149 |
| Photocatalytic degradation of organic pollutants and properties of yttrium orthovanadate under high pressure   | Garg A.B., High Pressure and Synchrotron Rad  | Physical Sciences                                   | Dalton Transactions  | 2023 | 1   | 211 |
| Exploring the crystal structure and properties of yttrium orthovanadate under high pressure  | Garg A.B., High Pressure and Synchrotron Rad  | Physical Sciences                                   | Journal of Electronic Structure  | 2023 | 0   | 155 |
| Degradation assessment of corroded RC frames using in-situ resonance spectra from shake table tests and numerical simulation   | Nagender T., Bhabha Atomic Research Centre  | Engineering Sciences                                | Experimental Techniques  | 2023 | 0   | 292 |
| Crystal structure of phosphorus bound Asymmetrical bis(phenyl phosphine) mini-mine from Denicococcus radadiensis A14 revolution  | Singha M., Fatigue & Fracture Laboratory, Engineering Sciences                                    | Chemical Sciences; Physical Sciences                | Experimental Techniques  | 2023 | 0   | 43  |
| The Power of Kinetic Inertness in Improving Platinum Anticancer Therapy by Circumventing Resistance and Ameliorating Nephrotoxicity  | Kharakwal Z., Homi Bhabha National Institute  | Chemical Sciences; Physical Sciences                | Biophysical and Biophysical Research Communications                              | 2023 | 0   | 292 |
| Designing a large area field emitter for uniform electron emission   | Rudra P., Bhabha Atomic Research Centre, Mumbai   | Physical Sciences                                   | Physics of Plasmas   | 2023 | 0   | 174 |
| Coupling-enthalpy-enthalpy analysis of unproctected transients in 1.8K cooled Compact High-Temperature Reactor   | Dwivedi K.D., Reactor Physics Design Division   | Physical Sciences                                   | Life Cycle Reliability and Safety Engineering                                    | 2023 | 0   | 4   |
| A synoptic assessment of groundwater quality in high water demand region of coastal Andhra Pradesh, India  | Kumar B., Isotope Hydrology Section, Isotope  | Chemical Sciences                                   | Water Supply   | 2023 | 1   | 55  |
| Impact of gamma radiation on the physical properties of polyimide films  | Patil S., Department of Physics, The IITM   | Physical Sciences                                   | Journal of Radiation Research and Biophysics                                     | 2023 | 0   | 49  |
| Low-cost, controllable, and large-scale synthesis of nanocarbonaceous C <sub>x</sub> (x=0.4-2.0) micrographs with enhanced magnetic performance  | Janani L., Department of Physics, Savitri   | Chemical Sciences                                   | Polymers and Surface: Physical, Chemical and Engineering Aspects                 | 2023 | 2   | 195 |
| Ion-con Conduction Mechanism and Relaxation Dynamics in Semiconducting Compound (ZrCl <sub>6</sub> ) <sub>2</sub> O <sub>7</sub>   | Patel S.P., Amitiary Institute of Nanotechnology  | Chemical Sciences                                   | ACS Applied Electronic Materials   | 2023 | 1   | 49  |
| An ion-hemisulfur sensor for detection of hemisulfur with boron terminated aggregation of tetraacetylene derivative  | Patel S.P., Amitiary Institute of Nanotechnology  | Chemical Sciences                                   | International Journal of Biological Macromolecules                               | 2023 | 1   | 155 |
| All-Active "Turn-On" Highly Selective Detection of Biomarker Serum Albumin*  | Gowda V.K., School of Chemical Sciences   | Chemical Sciences                                   | ChemistrySelect  | 2023 | 1   | 59  |
| Molecular insights into the agglomeration and subcellular behavior of biocompatible amphiphiles Gelucire® 48/16 and Tetronics® 1304 in Bulk  | Shahla A., Department of Physics, Savitri   | Physical Sciences                                   | NSC Advances   | 2023 | 0   | 210 |
| Pressure-induced multiple phase transitions in the magnetoelectric CaNiO <sub>2</sub> 0.9  | Jana R., Solid State Physics Division, Bhabha   | Physical Sciences                                   | Physical Review B  | 2023 | 1   | 497 |
| Sensitivity and feasibility studies of doping 13 Tl in Y <sub>2</sub> ZrO <sub>3</sub> to a radioactive waste immobilization matrix  | Gumber N., Fuel Chemistry Division, Bhabha  | Chemical Sciences                                   | Dalton Transactions  | 2023 | 4   | 211 |
| Electro-Visco Transport via a Self-Standing Protein-Based Biopolymer   | Deshmukh S., Institute of Chemical Technology   | Chemical Sciences                                   | ACS Applied Polymer Materials  | 2023 | 0   | 50  |
| Biometalic Zeolite-Indapole Frameworks for Improved Stability and Performance of Intrusion-Extrusion Energy Applications   | Amavashay E., Centre for Cooperative Research   | Chemical Sciences                                   | Journal of Physical Chemistry C  | 2023 | 7   | 338 |
| Experimental and Theoretical Investigation on the Extractive Mass Transfer of Eu <sup>3+</sup> Ions Using Novel Amide Ligands in 1-Hexyl-3-methylimidazolium Chloride                      | Ghosh A., Laser and Plasma Technology Division  | Chemical Sciences                                   | Inorganic Chemistry  | 2023 | 2   | 253 |
| Convenient synthesis of 6-amino-2-naphthol by Copper-catalyzed Ullmann reaction  | Jagtap G.U., Department of Chemistry, Bhabha  | Chemical Sciences                                   | Tetrahedron Letters  | 2023 | 2   | 181 |
| Distinct anharmonic characteristics of phonon-driven thermal conductivity and thermal expansion in bulk MoSe <sub>2</sub> and WSe <sub>2</sub>   | Gupta M.K., Solid State Physics Division, Bhabha  | Physical Sciences                                   | Journal of Materials Chemistry A   | 2023 | 6   | 295 |
| Combined Experimental and Theoretical Insights on Selectivity of Rare Earth Elements with 2-Ethynyl-4-Pyridone   | Monsal S., Materials Group, Bhabha Atomic   | Chemical Sciences                                   | ChemistrySelect  | 2023 | 0   | 53  |
| Probing room temperature stability of H <sub>2</sub> O <sub>2</sub> and NO <sub>x</sub> on the UHMW-PE crystal surface by experimental and first principles studies                        | Rajput A., Materials and Physics Group, Div   | Chemical Sciences                                   | New Journal of Chemistry   | 2023 | 0   | 129 |
| Determination of the effect of the addition of metal ions on the solubility of the complex formed by citrate and uranyl  | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Materials Chemistry B   | 2023 | 0   | 141 |
| Doped-Erbiae Silicate Highly Sensitive Turn-On Fluorescent Probe for D2O   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | ACS Omega  | 2023 | 4   | 98  |
| Mechanistic Study of Amphiphiles Assisted Self-Assembly Calcium Sulfate Ducts into 3D Substructures  | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Physical Chemistry Letters  | 2023 | 1   | 232 |
| Analysis of Pt(II) after separation by acidic induced liquid-liquid microfluidic fractionation followed by HR-ESI-TOF mass spectrometry  | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Analytical Atomic Spectrometry  | 2023 | 0   | 129 |
| Understanding the molecular interaction of RSA protein with anti-biotic lipid-liquid microfluidic fractionation followed by HR-ESI-TOF mass spectrometry                                   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Molecular Structure   | 2023 | 7   | 125 |
| Goel P., Solid State Physics Division, Bhabha  | Chemical Sciences   | Physical Review Letters                             | 2023   | 0    | 69  |     |
| Understanding Successful Raod-Comparing Technology Using Qualitative Content Analysis for Interpretation   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Scientific and Industrial Research                                    | 2023 | 0   | 63  |
| Evolution of Local Structure and Pore Architecture during Zeolitic Imidazolate Frameworks Li <sub>x</sub> to Zeolitic Imidazolate Frameworks & Phase Transitions                           | Mor J., Radiotracer Division, Bhabha  | Chemical Sciences                                   | Chemistry  | 2023 | 7   | 424 |
| First-principles study on ettringite decorated Behd monolayer for reversible hydrogel storage  | Sanjal S., Geological Metallurgy Division, Bhabha   | Physical Sciences                                   | Journal of Energy Storage  | 2023 | 9   | 105 |
| Threshold Polarization and Density Functionality Theory Investigations of Small Lanthanide Monoxide Clusters, LaO <sub>n</sub> (n = 2-10)  | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Physical Chemistry A  | 2023 | 2   | 257 |
| Probing the IC/CMB interpretation for the X-ray knots of AGNs through VHE observations   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Monthly Notices of the Royal Astronomical Society                                | 2023 | 1   | 372 |
| Evaluation of uranium content and annual ingestion dose in the surface and ground water bodies of Chittorgarh, Rajasthan, India  | Menaria T., Department of Environmental Monitoring and Air Engineering Sciences                   | Chemical Sciences                                   | Environmental Monitoring and Assessment  | 2023 | 0   | 142 |
| Linear magnetoelectric coupling and type-II multiferroic in Mn <sub>2</sub> O <sub>3</sub>   | Chatterjee A., School of Physical Sciences, India   | Physical Sciences                                   | Journal of Applied Physics   | 2023 | 2   | 350 |
| Resistive Terapoly(ethylene-Based Boron Triboride) Sensors: Effect of Substitution and Study of Nonlinear Optical Properties   | Sahoo A.K., Department of Chemistry, Bhabha   | Chemical Sciences                                   | ACS Omega  | 2023 | 1   | 98  |
| Convenient synthesis of Cd <sub>2</sub> O ultrafine particles by Langmuir-Blodgett technique for the prediction of Type-9 Secretion System, Gliding Motility, and the Associated Secretion | Patil P.M., Department of Chemistry, Bhabha   | Chemical Sciences                                   | Colloids and Surfaces A: Physicochemical and Engineering Aspects                 | 2023 | 4   | 175 |
| Cooperative interaction of a hydrophobic C <sub>18</sub> chain with a series of different hydrophilic molecules  | Wagh S., Department of Pharmacognosy, National Institute of Pharmaceutical Education and Research | Chemical Sciences                                   | Colloids and Surfaces B: Nonionic, Electrostatic and Diblock Copolymers          | 2023 | 0   | 105 |
| Search for new heavy isotopes, decaying to 19W, 21W, 21X, and 22X, in the actin fission jets of proton-rich nuclei   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Physics Letters, Section B: Nuclear, Elementary Particle and High Energy Physics | 2023 | 0   | 265 |
| Decay-to-decay CD <sub>3</sub> as a high-energy hydrogen storage material: insights from density functional theory   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Nature Energy  | 2023 | 0   | 265 |
| Effectiveness of four top quark production in proton-proton collisions at 14 TeV   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of High Energy Physics   | 2023 | 0   | 105 |
| Synthesis and Labeling of the First Retro Analog of the HER2 Targeting Peptide A: Superior Variant   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Physical Chemistry Letters  | 2023 | 0   | 105 |
| Thermal Photoisomerization of C <sub>60</sub> and C <sub>70</sub> in the Presence of $\text{Cr}^{3+}$ Ions   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Physical Chemistry A  | 2023 | 0   | 105 |
| Effect of $\text{Cr}^{3+}$ on the thermal photoisomerization of C <sub>60</sub> and C <sub>70</sub> in the presence of $\text{Cr}^{3+}$ Ions   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Physical Chemistry Letters  | 2023 | 0   | 105 |
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| Effect of $\text{Cr}^{3+}$ on the thermal photoisomerization of C <sub>60</sub> and C <sub>70</sub> in the presence of $\text{Cr}^{3+}$ Ions   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Physical Chemistry A  | 2023 | 0   | 105 |
| Effect of $\text{Cr}^{3+}$ on the thermal photoisomerization of C <sub>60</sub> and C <sub>70</sub> in the presence of $\text{Cr}^{3+}$ Ions   | Patil P.M., Fuel Chemistry Division, Bhabha   | Chemical Sciences                                   | Journal of Physical Chemistry Letters  | 2023 | 0   | 105 |
| Effect of $\text{Cr}^{3+}$ on the thermal photoisomerization of C <sub>60</sub>  |   |   |  |      |     |     |

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|---|---|---|---|------|-----|-----|
| Efficiency of ultraviolet-induced chain scission in biological DNA in effect of $\gamma$ -radiation and hydroxyl radicals   | Kumar P.D., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai 400094, India                           | Physical Sciences                                   | Bulletin of Materials Science   | 2023 | 1   | 89  |
| Enhancement of Microburst and Optical Properties in BiFeO <sub>3</sub> Due to Different Exchange Interactions Between Transition and Rare Earth Elements  | Kumar S., Department of Physical Division, Bhabha Atomic Research Centre, Mumbai 400094, India                        | Physical Sciences                                   | Physica Status Solidi (B) Basic Research  | 2023 | 1   | 110 |
| Multiple Crystal Morphologies Derived from Polycondensation-Based Double Hydrophilic Block Copolymers as Templates and Phenol as Novel Thrombin binders and their hardness and superelasticity under pressure: An initial study | Sankaran M., Research and Development Division, Bhabha Atomic Research Centre, Mumbai 400094, India                   | Physical Sciences                                   | Lampricht   | 2023 | 1   | 373 |
| Superior hydrogen storage capacity of Vanadium-decorated bi-layered low-potential plutonium alpha activity  | Sankaran M., Research and Development Division, Bhabha Atomic Research Centre, Mumbai 400094, India                   | Physical Sciences                                   | Journal of Applied Physics  | 2023 | 1   | 373 |
| Surface grafting sensitization for selective detection of low-level plutonium alpha activity  | Sankaran M., Research and Development Division, Bhabha Atomic Research Centre, Mumbai 400094, India                   | Physical Sciences                                   | International Journal of Hydrogen Energy  | 2023 | 16  | 263 |
| Dosimetric role of $\lambda$ and $\mu$ and separation parameter ( $S$ ) and their usefulness for fracture toughness evaluation  | Sankaran M., Research and Development Division, Bhabha Atomic Research Centre, Mumbai 400094, India                   | Physical Sciences                                   | Sensors and Actuators B: Chemical   | 2023 | 1   | 236 |
| Band A.K., Metallographic Physics and Advisory Division, Bhabha Atomic Research Centre, Mumbai 400094, India  | Physical Sciences   | Radiation Physics and Chemistry                     | 2023  | 6    | 98  |     |
| Effectiveness of different metal ions on the mechanical properties of a novel metal matrix composite  | Band A.K., Metallographic Physics and Advisory Division, Bhabha Atomic Research Centre, Mumbai 400094, India          | Physical Sciences                                   | Engineering Fracture Mechanics  | 2023 | 1   | 158 |
| ICAO ACTIVITY IN AIR SAMPLES AND DILUTION FACTOR EVALUATION OF KARAPUR GUJARAT SITE, INDIA  | Chandakar A., Environmental Survey Laboratory, Bhabha Atomic Research Centre, Mumbai 400094, India                    | Engineering Sciences                                | Radiocarbon   | 2023 | 9   | 92  |
| Electrochemical performance of $\text{Li}^{+}$ intercalated MnO <sub>2</sub> nano-carbon and their Na-ion based pseudocapacitors  | Chandwani A., Department of Physics, Dharwad University, Dharwad 524003, India  | Physical Sciences                                   | Materials Science and Engineering: B  | 2023 | 1   | 135 |
| Chowdhury A., Environmental Survey Laboratory, Bhabha Atomic Research Centre, Mumbai 400094, India  | Chemical Sciences   | ACS Applied Energy Materials                        | 2023  | 1    | 87  |     |
| Kumar A., Department of Chemistry, Jodhpur 380009, India  | Physical Sciences   | Journal of Magnetism and Magnetic Materials         | 2023  | 6    | 196 |     |
| Phase engineering of Molybdenum Dichalcogenide to Anisotropic Tunable Quaternary Chalcogenides (2H/1T/1T')  | Sarkar A., Department of Chemistry, Jodhpur 380009, India   | Physical Sciences                                   | Nuclear Engineering and Design  | 2023 | 1   | 123 |
| Phase engineering of Molybdenum Dichalcogenide to Anisotropic Tunable Quaternary Chalcogenides (2H/1T/1T')  | Sarkar A., Department of Chemistry, Jodhpur 380009, India   | Physical Sciences                                   | Journal of Physics and Chemistry of Solids  | 2023 | 3   | 121 |
| Phase engineering of molybdenum dichalcogenide to anisotropic tunable quaternary chalcogenides  | Sarkar A., Department of Chemistry, Jodhpur 380009, India   | Physical Sciences                                   | Journal of Alloys and Compounds   | 2023 | 5   | 216 |
| Thermoluminescence investigation and kinetic analysis of highly sensitive LiCAF <sub>6</sub> Eu <sub>x</sub> phosphor for dosimetric applications   | Sawant N.S., Radiological Physics Advisory Division, Bhabha Atomic Research Centre, Mumbai 400094, India              | Physical Sciences                                   | Journal of Luminescence   | 2023 | 9   | 111 |
| A Multifunctional Ionic-Field-Effect-gated Oxide-loaded a-SiGe:H photothermal network: an interfacial water evaporator, a desiccator, and a sensor for environmental monitoring   | Singh A.M., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai 400094, India                        | Chemical Sciences, Life Sciences, Physical Sciences | Materials Advances  | 2023 | 4   | 42  |
| Conductive effects of salt and surfactants on the structure of nanoparticles in a binary system of nanoparticle and protein   | Singh A.M., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai 400094, India                        | Physical Sciences                                   | Physical Chemistry Chemical Physics   | 2023 | 1   | 206 |
| Effect of salt concentration on the properties of nanoparticles in a binary system of nanoparticle and protein  | Singh A.M., Analytical Chemistry Division, Bhabha Atomic Research Centre, Mumbai 400094, India                        | Physical Sciences                                   | IBPSA Proceedings   | 2023 | 1   | 205 |
| In Vitro Investigation Unveiling New Insights into the Antimicrobial Mechanisms of Chlorophenole Resin in Protecting Nanofibers during the Preparation of Nanocomposites  | Singh A.M., Department of Chemistry, Jodhpur 380009, India  | Life Sciences                                       | Antibiotic Resistance   | 2023 | 2   | 62  |
| Principle of Conservation and Modern Approaches for Soil Protection of Indian Concrete Structures   | Singh A.M., Department of Chemistry, Jodhpur 380009, India  | Chemical Sciences                                   | Journal of the Institution of Engineers (India): Series A   | 2023 | 1   | 25  |
| Clinic-derived nanoporous molybdenum carbide electrocatalyst for HER: Effect of porosity on HER performance   | Singh A.M., Department of Chemistry, Jodhpur 380009, India  | Chemical Sciences                                   | Journal of Materials Research   | 2023 | 6   | 165 |
| Design and development of Fenton-Pearson based color filter using ebeam GLAD technique: Simulation and experiment   | Singh A.M., Department of Chemistry, Jodhpur 380009, India  | Physical Sciences                                   | Optics Communications   | 2023 | 6   | 151 |
| Orientation Filtering of Fluorescence by Phosphon Plasmon Waveguide   | Singh A.M., Department of Chemistry, Jodhpur 380009, India  | Chemical Sciences                                   | Journal of Physical Chemistry C   | 2023 | 6   | 338 |
| Orientation filtering of SIC-coated 2.5D carbon fiber preforms  | Tammaro S.R.C.M., School of Metallurgy and Materials Engineering, Bhabha Atomic Research Centre, Mumbai 400094, India | Engineering Sciences                                | Open Ceramics   | 2023 | 3   | 18  |
| Orientation of silicon nanowires through a 10 coordination polymer of copper(II) with 4,4'-diphenyldiselenide as a molecular host   | Tammaro S.R.C.M., School of Metallurgy and Materials Engineering, Bhabha Atomic Research Centre, Mumbai 400094, India | Chemical Sciences                                   | New Journal of Chemistry  | 2023 | 2   | 139 |
| First principles property prediction of hybrid borate perovskite  | Tiwari A., Department of Physics, University of Hyderabad, Hyderabad 500046, India                                    | Physical Sciences                                   | Theoretical Chemistry Accounts  | 2023 | 9   | 395 |
| Transition metal NP2P embedded graphene (TMNP2G) as single atom catalyst for oxygen reduction reaction: a computational study   | Tiwari A., Department of Physics, University of Hyderabad, Hyderabad 500046, India                                    | Chemical Sciences                                   | IBPSA Proceedings   | 2023 | 1   | 117 |
| Effectuation of behaviour of uranium in $\text{U}-\text{TiO}_2$ alloy in presence of mineralized precursors   | Tiwari A., Department of Physics, University of Hyderabad, Hyderabad 500046, India                                    | Chemical Sciences                                   | Journal of Radioanalytical and Nuclear Chemistry  | 2023 | 1   | 175 |
| Unleashed Isoperiodicity Pathways of Aspinoblock 15-crown-5 Computational Studies on a Butterfly Crower Ether   | Tiwari A., Department of Physics, University of Hyderabad, Hyderabad 500046, India                                    | Chemical Sciences                                   | Journal of Food Science and Technology  | 2023 | 2   | 122 |
| Investigating the influence of Aromatic Counterions on the Micellar Structure and Aggregation Behavior of Morpholinium-Based Surface Active Agents  | Vaidya R.A., Department of Chemical Physics, Bhabha Atomic Research Centre, Mumbai 400094, India                      | Physical Sciences                                   | Langmuir  | 2023 | 1   | 373 |
| A highly sensitive hemispherical near-infrared fluorescence sensor for detecting bovine amylase aggregates in human serum   | Wanekar D.O., SVKM's Shri. B. Patel Research Institute, Mumbai 400094, India  | Chemical Sciences                                   | International Journal of Biological Macromolecules  | 2023 | 4   | 151 |
| Production of BaSO <sub>4</sub> Certified Reference Material [Ba(1.210)] for Nine Property Values   | Wanekar D.O., SVKM's Shri. B. Patel Research Institute, Mumbai 400094, India  | Chemical Sciences                                   | GeoStandards and Geoanalytical Research   | 2023 | 2   | 85  |
| Accessing copper semiperovskites structures through a 10 coordination polymer of copper(II) with 4,4'-diphenyldiselenide as a molecular host  | Wanekar D.O., SVKM's Shri. B. Patel Research Institute, Mumbai 400094, India  | Chemical Sciences                                   | New Journal of Chemistry  | 2023 | 2   | 139 |
| First-principles property prediction of hybrid borate perovskite  | Wanekar D.O., SVKM's Shri. B. Patel Research Institute, Mumbai 400094, India  | Chemical Sciences                                   | Journal of Chemical Physics   | 2023 | 9   | 395 |
| Transition metal NP2P embedded graphene (TMNP2G) as single atom catalyst for oxygen reduction reaction: a computational study   | Wanekar D.O., SVKM's Shri. B. Patel Research Institute, Mumbai 400094, India  | Chemical Sciences                                   | Catalysis Letters   | 2023 | 2   | 131 |
| Effect of behaviour of uranium in $\text{U}-\text{TiO}_2$ alloy in presence of mineralized precursors   | Wanekar D.O., SVKM's Shri. B. Patel Research Institute, Mumbai 400094, India  | Chemical Sciences                                   | Journal of Radioanalytical and Nuclear Chemistry  | 2023 | 1   | 175 |
| Unleashed Isoperiodicity Pathways of Aspinoblock 15-crown-5 Computational Studies on a Butterfly Crower Ether   | Wanekar D.O., SVKM's Shri. B. Patel Research Institute, Mumbai 400094, India  | Chemical Sciences                                   | Materials Today Communications  | 2023 | 5   | 53  |
| Investigating the influence of Aromatic Counterions on the Micellar Structure and Aggregation Behavior of Morpholinium-Based Surface Active Agents  | Wanekar D.O., SVKM's Shri. B. Patel Research Institute, Mumbai 400094, India  | Physical Sciences                                   | Journal of Solid State Chemistry  | 2023 | 2   | 100 |
| A BaSO <sub>4</sub> certified reference material for determination of nine property values  | Wanekar D.O., SVKM's Shri. B. Patel Research Institute, Mumbai 400094, India  | Chemical Sciences                                   | Journal of Solid State Chemistry  | 2023 | 4   | 151 |
| Effect of strong orientation on the structural and thermodynamic properties of $\text{Ca}(10-\text{x})\text{Fe}(4\text{x})\text{Al}(2\text{x})\text{In}(2\text{x})\text{O}_{20}$  | Wang P., Product Development Division, Bhabha Atomic Research Centre, Mumbai 400094, India                            | Chemical Sciences                                   | Reliability Engineering and System Safety   | 2023 | 1   | 219 |
| Effect of strong orientation on the structural and thermodynamic properties of $\text{Ca}(10-\text{x})\text{Fe}(4\text{x})\text{Al}(2\text{x})\text{In}(2\text{x})\text{O}_{20}$  | Wang P., Product Development Division, Bhabha Atomic Research Centre, Mumbai 400094, India                            | Chemical Sciences                                   | Journal of Solid State Chemistry  | 2023 | 2   | 100 |
| Physicochemical Characterization, Stability, and In Vitro Evaluation of Curcumin Loaded Solid Lipid Nanoparticles Prepared Using Inositol   | Par S., Department of Chemistry, Indian Institute of Technology Bombay, Mumbai 400076, India                          | Chemical Sciences                                   | Journal of Solid State Chemistry  | 2023 | 4   | 55  |
| Validation of MnCode fit using CSMPfit results  | Sharma S., Manipal Centre of Natural Sciences, Manipal University, Manipal 574199, India                              | Physical Sciences                                   | Nuclear and Particle Physics Proceedings  | 2023 | 6   | 80  |
| Synthesis, microstructure and electrochemical properties of Ni-based alloy coatings for hydrogen evolution in alkaline medium   | Sharma S., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                               | Chemical Sciences                                   | Synthesis   | 2023 | 1   | 64  |
| Ultrasonic spectroscopy and dosimetry using a multi-shell Spherical Sphere Ultrasonic Spectrometer with thermo-luminescent and optical spectra  | Sharma S., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                               | Chemical Sciences                                   | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023 | 9   | 181 |
| TOP-Principia Xanthops Pd Complexes: Cyclooctaaryne Reactions for the Synthesis of Fluorescent Using Cobalt Carbonyl  | Singh P., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                                | Chemical Sciences                                   | Theoretical Chemistry Accounts  | 2023 | 1   | 117 |
| Radon build-up in a prototype during uranium mining tailings as construction material   | Singh P., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                                | Chemical Sciences                                   | IBPSA Proceedings   | 2023 | 1   | 175 |
| Polyimine/GFO/SiPM composite cathode with GO modified approach to tackle the shunt problem  | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | Journal of Radioanalytical and Nuclear Chemistry  | 2023 | 1   | 191 |
| auto-CRUM: Software application for evaluation of HEP with basic and extended CRM for PMS studies   | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | Materials Today Communications  | 2023 | 5   | 53  |
| Effect of strong orientation on the structural and thermodynamic properties of $\text{Ca}(10-\text{x})\text{Fe}(4\text{x})\text{Al}(2\text{x})\text{In}(2\text{x})\text{O}_{20}$  | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | Reliability Engineering and System Safety   | 2023 | 1   | 219 |
| Investigation of Bell-Mini Grindings of a Limestone Type Borehole Drilled Unconsolidated One  | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | Transactions of the Indian Institute of Metals  | 2023 | 1   | 44  |
| Effect of surface chemistry on the synthesis and characterization of Gd <sub>2</sub> O <sub>3</sub> nanosheets  | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | IBPSA Proceedings   | 2023 | 1   | 175 |
| Effect of surface chemistry on the synthesis and characterization of Gd <sub>2</sub> O <sub>3</sub> nanosheets  | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | Materials and Bio Materials   | 2023 | 1   | 55  |
| Effect of surface chemistry on the synthesis and characterization of Gd <sub>2</sub> O <sub>3</sub> nanosheets  | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | Journal of Medical Virology   | 2023 | 1   | 154 |
| Simulated annealing optimization technique to obtain uniform dose distribution in gamma irradiators   | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | Radiation Physics and Chemistry   | 2023 | 6   | 98  |
| High concentration aqueous poly(IV) PEG and high purity of novel Gd2SiO5:Eu <sub>x</sub> triply doped by cerium sol-gel   | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | Optical Materials   | 2023 | 2   | 119 |
| Combined effects of dry/wet irrigation, redox changes and microbial diversity on soil nutrient bioavailability in the rice field  | Singh P.K., Department of Earth Sciences, IIT Bombay, Mumbai 400076, India  | Life Sciences                                       | Soil and Tillage Research   | 2023 | 18  | 175 |
| Uptake of nitrate and phosphate by plant roots in presence of organic acids and mineralized precursors  | Singh P.K., Department of Earth Sciences, IIT Bombay, Mumbai 400076, India  | Chemical Sciences                                   | Nanoscale   | 2023 | 3   | 285 |
| Correlation of Bell-Mini Grindings of a Limestone Type Borehole Drilled Unconsolidated One  | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | Langmuir  | 2023 | 6   | 373 |
| Effect of surface chemistry on the synthesis and characterization of Gd <sub>2</sub> O <sub>3</sub> nanosheets  | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | Journal of High Energy Physics  | 2023 | 1   | 216 |
| Withaffers A: Melanoma acralis: A report of two cases   | Singh P.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India                              | Chemical Sciences                                   | International Immunopharmacology  | 2023 | 2   | 149 |
| Mesoporous Fe3O4 nanosphere: A prospective nano generator for therapeutic cancer treatment modality   | Singh P.K., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai 400094, India                   | Chemical Sciences                                   | International Nanotechnology  | 2023 | 5   | 195 |
| Comprehensive study on the origin of orthorhombic phase stabilization in Gd-doped HfO <sub>2</sub> and DFT calculations   | Singh P.K., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai 400094, India                   | Chemical Sciences                                   | Journal of Magnetism and Magnetic Materials   | 2023 | 3   | 195 |
| Structural and electronic properties of $\text{Fe}_3\text{O}_4$ nanosheets  | Singh P.K., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai 400094, India                   | Chemical Sciences                                   | Physical Chemistry Chemical Physics   | 2023 | 1   | 296 |
| Structural and electronic properties of $\text{Fe}_3\text{O}_4$ nanosheets  | Singh P.K., Department of Chemical Engineering, Bhabha Atomic Research Centre, Mumbai 400094, India                   | Chemical Sciences                                   | Physical Review C   | 2023 | 1   | 169 |
| Measurement of $\text{Fe}_{0.5}\text{Cr}_{0.5}$ across a wide range of temperatures   | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | European Physical Journal A   | 2023 | 1   | 109 |
| Measurement of $\text{Fe}_{0.5}\text{Cr}_{0.5}$ across a wide range of temperatures   | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Physical Review B   | 2023 | 4   | 497 |
| Effect of dry/wet irrigation on the properties of $\text{SiO}_2$ -Gd <sub>2</sub> O <sub>3</sub> -Eu <sub>x</sub> perovskite: experimental and theoretical study  | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Physical Review B   | 2023 | 5   | 497 |
| Growth mechanism of $\text{Fe}_3\text{O}_4$ nanosheets  | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Diamond and Related Materials   | 2023 | 1   | 126 |
| Effect of dry/wet irrigation on the properties of $\text{SiO}_2$ -Gd <sub>2</sub> O <sub>3</sub> -Eu <sub>x</sub> perovskite  | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Journal of Environmental Radioactivity  | 2023 | 9   | 107 |
| Joint exploratory survey of long-lived radionuclides in foodstuffs and human hair for use in dietary risk assessment  | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Journal of Environmental Radioactivity  | 2023 | 1   | 174 |
| Effect of dry/wet irrigation on the properties of $\text{SiO}_2$ -Gd <sub>2</sub> O <sub>3</sub> -Eu <sub>x</sub> perovskite  | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Journal of Environmental Radioactivity  | 2023 | 1   | 174 |
| Effect of dry/wet irrigation on the properties of $\text{SiO}_2$ -Gd <sub>2</sub> O <sub>3</sub> -Eu <sub>x</sub> perovskite  | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Progress in Nuclear Energy  | 2023 | 1   | 174 |
| Effect of dry/wet irrigation on the properties of $\text{SiO}_2$ -Gd <sub>2</sub> O <sub>3</sub> -Eu <sub>x</sub> perovskite  | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Journal of Nuclear Energy   | 2023 | 4   | 81  |
| Effect of dry/wet irrigation on the properties of $\text{SiO}_2$ -Gd <sub>2</sub> O <sub>3</sub> -Eu <sub>x</sub> perovskite  | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Journal of Nuclear Energy   | 2023 | 4   | 81  |
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| Effect of dry/wet irrigation on the properties of $\text{SiO}_2$ -Gd <sub>2</sub> O <sub>3</sub> -Eu <sub>x</sub> perovskite  | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Journal of Nuclear Energy   | 2023 | 4   | 81  |
| Effect of dry/wet irrigation on the properties of $\text{SiO}_2$ -Gd <sub>2</sub> O <sub>3</sub> -Eu <sub>x</sub> perovskite  | Singh P.K., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India                        | Chemical Sciences                                   | Journal of Nuclear Energy   | 2023 | 4   | 81  |
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| A Magneto-Ampere Pulse Current Generator Using Synchronization of Field Distortion Spark Gap Switches   | Kanotra S., Bhabha Atomic Research Centre, Mumbai 400094, India   | IEEE Transactions on Plasma Science  | 2023 | 2  | 113 |
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| Quick Classification and Prediction of CO <sub>2</sub> , NHC, H <sub>2</sub> S and NO <sub>2</sub> Gases from Their Mixture Using A 2D Random Forest Based Electronic Nose  | Singla K., Technical Physics Division, Bhabha Atomic Research Centre, Mumbai 400094, India                                | Journal of Electronic Materials  | 2023 | 9  | 112 |
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| Cd-induced cytotoxicity changes in the cytoskeleton of Arabidopsis thaliana sp. ER2720  | Srivastava S., Department of Botany, Institute of Natural Resources, Palmerston North, New Zealand   | Biochimica et Biophysica Acta - Proteins and Proteomics                               | 2023 | 1  | 166 |
| Indian traditional rice variety "Guthiware" suppresses T-cell mediated immune responses via activation of ERK/nF <sub>2</sub> H20 signaling path  | Chauhan A., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre, Mumbai 400094, India  | Food and Function   | 2023 | 1  | 137 |
| Impairing Receptability, Quadruple Shadow, Memory, Self-healing, and Vibration Damaging Characteristics to a Thermoetting Polyurethane  | Saha B., Material Group, Bhabha Atomic Research Centre, Mumbai 400094, India   | ACS Applied Polymer Materials   | 2023 | 7  | 50  |
| Solution of Cr <sup>3+</sup> doped Zn <sub>2</sub> O and Zn <sub>2</sub> SnO <sub>4</sub> to create cation inversion and its role in persistent deep red emission   | Patra J.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India   | Journal of Luminescence   | 2023 | 8  | 131 |
| Comparison of effectiveness and efficiency of electron beam gamma rays to induce novel mutations in <i>Mycobacterium tuberculosis</i>   | Patra J.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India   | Applied Radiation and Isotopes  | 2023 | 2  | 90  |
| Modeling of dose response curves for <i>Candida albicans</i> by multivariate regression analysis for accurate classification of <i>Candida</i> spp.   | Jain P., Immunology Section, Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai 400094, India  | Journal of Cancer Research and Therapeutics   | 2023 | 0  | 15  |
| Effect of annealing on morphology on optical properties of a porous TiO <sub>2</sub> based material   | Patra J.K., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India   | Journal of Luminescence   | 2023 | 1  | 141 |
| Probing stability of charge-reversed nanoparticles in aqueous and surfactant solutions  | Verma K., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai 400094, India   | Chemical Physics Letters  | 2023 | 0  | 253 |
| Effect of hydration on the surface ion liquid on the carbon-cation interaction of UO <sub>2</sub> +2 and Nd <sup>3+</sup> /La <sup>3+</sup> ions  | Verma K., Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai 400094, India   | New Journal of Chemistry  | 2023 | 0  | 139 |
| Possible Raman signature of broken symmetry states near the quantum critical point in 3D doped BaFe <sub>2</sub> As <sub>2</sub> Experiment and Theory  | Swain D., Department of Physics, Indian Institute of Technology Bombay, Mumbai 400076, India   | Physical Review Letters   | 2023 | 3  | 88  |
| Morphological solvent extraction of no-carrier added Cd <sup>2+</sup> from irradiated 2D target for radiopharmaceutical preparation   | Yadav P., Department of Chemistry, Bhabha Atomic Research Centre, Mumbai 400094, India   | Chemical Engineering Science  | 2023 | 3  | 29  |
| Identification and characterization of auricular bony acid as a potential inhibitor of SARS-CoV-2 Protease  | Arya R., Protein Crystallography Section, Radiation & Photochemistry Division, Bhabha Atomic Research Centre, Mumbai 400094, India   | International Journal of Biological Macromolecules                                    | 2023 | 1  | 192 |
| Modeling of <i>Candida</i> spp. interference in <i>Candida</i> spp. Co-infection by multivariate regression analysis for accurate classification of <i>Candida</i> spp.   | Patra J.K., The United Graduate School of Agricultural Sciences, Bhab  |   |      |    |     |

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|--|---|-----------------------------|---|-----------------------------|------|-----|----|
| Experimental Investigations on Heat Transfer Deterioration for Vertical Flow of Supercritical Carbon Dioxide Under Natural Circulation   | Boddu K., Engineering Sciences Discipline, IITB   | Engineering Sciences        | ASME Journal of Heat and Mass Transfer  | 2023                        | 1    | 141 |    |
| Evidence of Eliftut Di Bonding in a PVC-Based Electrochemical Sensor with N,N,N'-Tetrapentyl Diglycidyleamine (TPGDA) as the ionophore   | Mahanty B., Radichemistry division, Bhabha Atomic Research Centre                                 | Chemical Sciences           | ChemistrySelect   | 2023                        | 3    | 59  |    |
| Fatigue experiments and life predictions of notched C steel tubes  | Kumar S., Homi Bhabha National Institute  | Engineering Sciences        | International Journal of Fatigue  | 2023                        | 3    | 153 |    |
| A CFO based approach to study the deposition and distribution behavior of 211Pb in a calibration chamber   | Agrawal T.K., Homi Bhabha National Institute  | Physical Sciences           | Environmental Science and Pollution Research  | 2023                        | 0    | 179 |    |
| Loading of alpha-gelatin onto a nonconductive substrate  | Kanika S., Department of Pharmaceutics, Nirma University  | Physical Sciences           | Colloids and Surfaces A: Physicochemical and Engineering Aspects  | 2023                        | 1    | 195 |    |
| Experimental Investigations on magnetic pulse crimping of copper lug   | Ali N., Homi Bhabha National Institute, Mumbai  | Engineering Sciences        | Engineering Research Express  | 2023                        | 2    | 19  |    |
| American doping induced oxidation of SiPdSi 2424M Spectroscopic insight  | Mathopatra M., Radiochemistry Division, Bhabha Atomic Research Centre                             | Physical Sciences           | Materials Letters   | 2023                        | 0    | 11  |    |
| DNA/VKA phosphorylation Affects its Dynamics and Cell Cycle in Radonexposed Deniecoecus radiodurans  | Chaudhary R., Molecular Biology Division, Bhabha Atomic Research Centre                           | Life Sciences               | Microbiology Spectrum   | 2023                        | 3    | 87  |    |
| Metachorous Adenocarcinoma of the lung in the Setting of Metastatic Gastric Neuroendocrine Tumor: Value of Elucidating Discordance   | Loharkar S., Radiation Medicine Centre, Bhabha Atomic Research Centre                             | Medical and Health Sciences | Journal of Nuclear Medicine Technology  | 2023                        | 0    | 43  |    |
| Experimental and theoretical revelation of a unique band found in $\beta$ -SrTiO <sub>3</sub> topological insulator by substitution of Cu+ at high pressure  | Pati P., Department of Physics, Indian Institute of Technology Bombay                             | Physical Sciences           | Materials Science and Engineering: B  | 2023                        | 0    | 135 |    |
| Enhancement of the mechanical properties of polyimide films by addition of carbon nanotubes  | Shrivastava S., Homi Bhabha National Institute  | Physical Sciences           | Journal of Physical Chemistry C   | 2023                        | 7    | 106 |    |
| Impact of gamma radiation on the physical properties of polyimide films  | Shrivastava S., Homi Bhabha National Institute  | Physical Sciences           | ACS Photonics   | 2023                        | 1    | 126 |    |
| Impact of Plastic: heat-infrared Photos to Hot-Heat Transfer in Resistorless Semiconductors: Thermal Hysteresis  | Pasther S., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre         | Physical Sciences           | Microbiology Spectrum   | 2023                        | 1    | 81  |    |
| Comparative Phenotypic, Genomic, and Transcriptomic Abilities of Two Contrasting Strains of the Plant Beneficial Fungus Trichoderma virens   | Saxkar P., Homi Bhabha National Institute, Mumbai   | Physical Sciences           | ACS Applied Electronic Materials  | 2023                        | 4    | 49  |    |
| Improved Power Factor in Highly Textured n-Type BaZrO <sub>3</sub> Flexible Films  | Tandon P., Natural Sciences, Indian Institute of Science Education and Research, Mohali           | Engineering Sciences        | Journal of Magnetism and Magnetic Materials   | 2023                        | 1    | 105 |    |
| Magnetoresistance effect in electrodeposited NiFe/Cu wire using tritium cathode additive in plating bath   | Modak P., High Pressure & Synchrotron Radiation Division, Bhabha Atomic Research Centre           | Physical Sciences           | Physical Review B   | 2023                        | 2    | 497 |    |
| Pressure-induced electronic phase formation in calcium $X$ to its strange high-pressure behavior   | Malathy A., Department of Chemical Engineering, Bhabha Atomic Research Centre                     | Physical Sciences           | Lamellar  | 2023                        | 4    | 373 |    |
| Insights into the CuDOP Capture Characteristics within the Hierarchical Cages of Carbon Nanospheres Using Small-Angle Neutron Scattering   | Paghare R.V., Radiation Medicine Centre, Bhabha Atomic Research Centre                            | Medical and Health Sciences | Journal of Nuclear Medicine Technology  | 2023                        | 1    | 46  |    |
| False-Positive Beta <sub>3</sub> -DOTATATE PET/CT Findings in Hereditary Hypophysitis-Dromatostatoma Mimicking Crispin Lesions of Tumor-Induced Pitressinoma   | D'Souza S.Z., Transplant Immunology and Immune Modulation Division, Bhabha Atomic Research Centre | Medical and Health Sciences | Frontiers in Immunology   | 2023                        | 6    | 225 |    |
| NK cell defects: implication in acute myeloid leukaemia  | Verna A., Department of Mechanical Engineering, Bhabha Atomic Research Centre                     | Engineering Sciences        | Annals of Nuclear Energy  | 2023                        | 0    | 82  |    |
| Numerical analysis of thermal-hydraulic safety for a reactor containment in the event of a main steam line break   | Verma A., Department of Chemical Engineering, Bhabha Atomic Research Centre                       | Physical Sciences           | Frontiers in Nuclear Energy   | 2023                        | 1    | 10  |    |
| Sensitive turn-off detection of nitroaromatics using fluorescent tetraphenylbenzene derivative   | Malegappa N.J., Polymers and Functional Materials Division, Bhabha Atomic Research Centre         | Physical Sciences           | Journal of Photochemistry and Photobiology A: Chemistry   | 2023                        | 3    | 176 |    |
| Estimation of Lascourine Groundwater Discharge (LGD) in an urban Kenyan lake using environmental tracers (222Rn, $\delta^{18}\text{O}$ , EC)   | Pall J.A., Department of Earth Sciences, University of Cambridge                                  | Engineering Sciences        | Journal of Hydrology  | 2023                        | 2    | 274 |    |
| Green emitting plasmonic scintillator with neutron/gamma pulse discrimination for fast neutron detection   | Alex L., Centre for Crystal Growth, Twente Institute of Technology                                | Engineering Sciences        | Journal of Materials Science: Materials in Electronics  | 2023                        | 1    | 97  |    |
| Electrochemical capacitance and cube-root-hemisphere phase transition of sodium intercalated ferrimagnetic manganese hexacyanoferrate  | Bhatt P., Solid State Physics Division, Bhabha Atomic Research Centre                             | Physical Sciences           | Sustainable Materials and Technologies  | 2023                        | 5    | 60  |    |
| Tensile Behavior of Alloy 690 in the Dynamic Strain Aging Regime   | Bhatt P., Solid State Physics Division, Bhabha Atomic Research Centre                             | Engineering Sciences        | Journal of Materials Engineering and Performance  | 2023                        | 2    | 84  |    |
| Determination of the effect of gamma radiation on the overall survival in advanced stage cervical cancer   | Patra S., Department of Radiation Oncology, Bhabha Atomic Research Centre                         | Medical and Health Sciences | Frontiers in Medical and Health Sciences  | 2023                        | 2    | 96  |    |
| Room temperature $\mu$ -ferromagnetism in carbon doped $\beta$ -cristobalite from density functional theory simulations  | Prashant D., Department of Physics, Indian Institute of Technology Bombay                         | Physical Sciences           | Journal of Physics: Applied Physics   | 2023                        | 0    | 231 |    |
| Investigating constraints on gluon-gluon momentum correlations in transversely polarized protons via a multi-step open-heavy flavor electron effect, structure stability, and $H_c$ production at NSCL/FRIB-Induced in-beam photoepic glass for nuclear applications               | Abdullah N.I., Deubois University, Eindhoven  | Physical Sciences           | Physical Review C   | 2023                        | 2    | 395 |    |
| Battery powered FGAs-based embedded system for ultrasonic pipe inspection and gauging systems  | Josh A.C., Chemistry Division, Bhabha Atomic Research Centre                                      | Chemical Sciences           | Journal of the American Ceramic Society   | 2023                        | 3    | 223 |    |
| A combined study on structural, magnetic and specific heat on double perovskite iridates $\text{Li}_2\text{CaO}_2\text{Fe}_{1-x}\text{Ru}_x$ ( $x = \text{Pr}, \text{Nd}$ )  | Datta R., School of Physical Sciences, Indian Institute of Science Education and Research, Mohali | Physical Sciences           | Journal of Physics Condensed Matter   | 2023                        | 2    | 255 |    |
| Transparency of the yin-yang pattern in nuclei   | Datta R., School of Physical Sciences, Indian Institute of Science Education and Research, Mohali | Physical Sciences           | Physical Review C   | 2023                        | 1    | 238 |    |
| Kinetic study of graphene oxide synthesis by electrochemical exfoliation of graphite   | Brajee P.M., Department of Chemical Engineering, Bhabha Atomic Research Centre                    | Chemical Sciences           | Journal of Industrial and Engineering Chemistry   | 2023                        | 7    | 139 |    |
| Porosity control of CTN gels and its conversion to CTN fiber in flowing catalyst chemical vapour deposition  | Alexander R., Materials Group, Bhabha Atomic Research Centre                                      | Chemical Sciences           | Engineering Sciences  | Journal of Porous Materials | 2023 | 3   | 66 |
| Fenton reaction by HO <sub>2</sub> produced on a magnetically recyclable Ag/UV/TiO <sub>2</sub> /Fe <sub>2</sub> O <sub>3</sub> photocatalyst  | Kumar U., Department of Chemistry, Indian Institute of Technology Bombay                          | Chemical Sciences           | Catalysis Science and Technology  | 2023                        | 10   | 143 |    |
| Origin of the long-range ferrimagnetic ordering in cubic MnCo <sub>2</sub> I <sub>2</sub> spinels  | Dasi A., Department of Physics, Indian Institute of Technology Bombay                             | Physical Sciences           | EPL   | 2023                        | 4    | 497 |    |
| Phase matching in quantum search algorithm   | Chowdhury S.R., Beam Technology Development, Bhabha Atomic Research Centre                        | Engineering Sciences        | Plant Breeding  | 2023                        | 0    | 83  |    |
| Molecular mapping of two recessive genes controlling resistance to bacterial leaf blight disease in soybean ( <i>Glycine max</i> )   | Totade S.P., Homi Bhabha National Institute   | Life Sciences               | ACS Omega   | 2023                        | 5    | 28  |    |
| Electric Field Effect Mechanism in Carbon Field Emitters   | Haque A., Electrical Engineering, IIT Gandhinagar   | Physical Sciences           | Journal of Scientific Instruments   | 2023                        | 2    | 277 |    |
| Investigation of DNA and RNA for Biotesting of Mutagens of $\text{Cd}^{2+}$ , $\text{W}^{6+}$ and $\text{In}^{3+}$ Genes in Drug-Resistant Mycobacterium Tuberculosis  | Patra S., Department of Chemical Engineering, IIT Roorkee   | Physical Sciences           | Journal of Clinical Biochemistry  | 2023                        | 3    | 55  |    |
| Coating of nanoporous silica states in 10 photonic crystal   | Prashant D., Department of Physics, Indian Institute of Technology Bombay                         | Physical Sciences           | ChemistrySelect   | 2023                        | 0    | 59  |    |
| Evolution of elongations and grain boundaries during multi-axis cold forging of tantalum   | Kethathuram A., Mechanical Metallurgy Division, Bhabha Atomic Research Centre                     | Engineering Sciences        | International Journal of Refractory Metals and Hard Materials   | 2023                        | 9    | 104 |    |
| Comparing linear life prediction capability of popular models using multivariate test database on 17 materials   | Anita P., Safety Research Division, Bhabha Atomic Research Centre                                 | Engineering Sciences        | Fatigue and Fracture of Engineering Materials and Structures  | 2023                        | 3    | 98  |    |
| Biochemical characterization of clinically relevant mutations of <i>hprt1</i> gene   | Pillai V., Applied Genetics Section, Bhabha Atomic Research Centre                                | Physical Sciences           | Molecular and Cellular Biochemistry   | 2023                        | 0    | 135 |    |
| Electron beam assisted resealing of polyethylene terephthalate (PET) sponge: Turning it into a superabsorbent for wastewater treatment   | Jha A., Homi Bhabha National Institute, Mumbai  | Medical Sciences            | Journal of Applied Polymer Science  | 2023                        | 6    | 193 |    |
| Shell effect driven fusion modes in fragment mass and total kinetic energy distribution of $\text{H}_2 + \text{I}_2$   | Kumar R., Department of Physics, Indian Institute of Technology Bombay                            | Physical Sciences           | Physical Review C   | 2023                        | 4    | 238 |    |
| Purification of hetero-oligomeric protein variants using a modified tandem affinity purification approach  | Parui A.L., Integrative Biophysics and Structural Life Sciences                                   | Physical Sciences           | STAR Protocols  | 2023                        | 1    | 19  |    |
| Numerical investigation on convective heat transfer in a pool with submerged heat source under seismic condition   | Chauhan S.P., Homi Bhabha National Institute  | Engineering Sciences        | Journal of Thermal Analysis and Calorimetry   | 2023                        | 0    | 120 |    |
| Applications of X-ray Absorption Fine Structure Spectroscopy and Direct Current Atomic Embedding Spectroscopy Methods for Potency of Extended X-ray Absorption Fine Structure Spectroscopy toward the Direct Current Atomic Embedding Spectroscopy Parameters for $\text{Fe}^{2+}$ | Sharma V., Radiochemistry Division, Bhabha Atomic Research Centre                                 | Chemical Sciences           | ChemistrySelect   | 2023                        | 0    | 87  |    |
| 9mHf/Gt-HYnM: A potential SPECT probe targeting $\text{GPR}96$ expression in prostate cancers  | Basu R., Technical Physics Division, Bhabha Atomic Research Centre                                | Physical Sciences           | ACS Applied Energy Materials  | 2023                        | 1    | 153 |    |
| Remarkable enhancement in durability of Ti-Al <sub>2</sub> O <sub>3</sub> alloy under hydrogen induced disproportionation by Ti and Co co-substitution   | Azam M., Department of Physics, Indian Institute of Technology Bombay                             | Physical Sciences           | Ceramics International  | 2023                        | 0    | 98  |    |
| Study on synthesis and differentiation of maximum absorbance using carbonaceous reduction and heat pressing  | Vats A., Radiopharmaceuticals Division, Bhabha Atomic Research Centre                             | Chemical Sciences           | International Journal of Hydrogen Energy  | 2023                        | 5    | 265 |    |
| Structural investigation of <i>Artemisia laevis</i> (Inoni) Bhesa  | Deopak P., Solid State Physics Division, Bhabha Atomic Research Centre                            | Chemical Sciences           | International Journal of Refractory Metals and Hard Materials   | 2023                        | 1    | 44  |    |
| Investigating neutron transfer in the $\text{Li}-\text{Sr}-\text{Zr}$ system   | Patai V., Nuclear Physics Division, Bhabha Atomic Research Centre                                 | Physical Sciences           | Journal of Applied and Integrative Medicine   | 2023                        | 0    | 39  |    |
| Two-dimensional short-range spin correlations in the layered spin-32 mafve $\text{Na}_2\text{Li}_2\text{Ta}_2\text{O}_9$ lattice magnetite Na2Mn3O7 DT with crystal size   | Saha P., Solid State Physics Division, Bhabha Atomic Research Centre                              | Physical Sciences           | Physical Review B   | 2023                        | 1    | 403 |    |
| Reactor physics calculation and measurement during first attempt to criticality of Ag-1000 research reactor  | Singh T., Reactor Physics and Nuclear Engineering, Bhabha Atomic Research Centre                  | Physical Sciences           | Annals of Nuclear Energy  | 2023                        | 0    | 82  |    |
| Chemical characterization of automobile windshield glass samples for major, minor, and trace element concentration determination by ICP-OES  | Sharma V., Department of Nuclear and Radical Sciences, Bhabha Atomic Research Centre              | Physical Sciences           | RSC Advances  | 2023                        | 5    | 210 |    |
| Insight into the negative magnetization and anomalous exchange bias in Dy <sub>0.4</sub> Eu <sub>0.6</sub> Ir <sub>0.2</sub> through neutron depolarization and neutron diffraction  | Deopak P., Solid State Physics Division, Bhabha Atomic Research Centre                            | Physical Sciences           | Journal of Physics Condensed Matter   | 2023                        | 2    | 255 |    |
| Multiple Magnetic Phases and Anomalous Hall Effect in Bi <sub>2</sub> O <sub>3</sub> Topological Insulators  | Patil A., Department of Physics, Indian Institute of Technology Bombay                            | Physical Sciences           | Journal of Physical Chemistry C   | 2023                        | 0    | 338 |    |
| Defect-Induced Adsorption (sp $_3$ -p $_0$ ) in Type-C Conducting Bar Carbon Nanotube Film for the Development of Highly Sensitive Pradhan M., Cytoblock, A material group, Bhabha Atomic Research Centre  | Pradhan M., Cytoblock, A material group, Bhabha Atomic Research Centre                            | Physical Sciences           | ACS Omega   | 2023                        | 2    | 98  |    |
| NdxLeu and heptamer repeats involved in the nucleotide repair of DNA repair genes recQL and recQL in the cytoplasmic bacterium <i>Thermus thermophilus</i>   | Raut M., Department of Physics, Indian Institute of Technology Bombay                             | Physical Sciences           | Biochimica et Biophysica Acta - Gene Regulatory Mechanisms  | 2023                        | 0    | 143 |    |
| Pressure-induced Monoclinic to Tetragonal Phase Transition in TiFeO <sub>3</sub> (R = Nd, Sm): DFT-Based First Principles Studies  | Banerjee S., High Pressure and Synchrotron Radiation Division, Bhabha Atomic Research Centre      | Physical Sciences           | Crystals  | 2023                        | 3    | 64  |    |
| Probable maximum tropical cyclone parameters for east and west coast of India  | Kumar D.S., Homi Bhabha National Institute  | Engineering Sciences        | Natural Hazards   | 2023                        | 1    | 139 |    |
| Structure and stability of Au <sub>2</sub> and Au <sub>2</sub> cluster in BN <sub>1111</sub> supported in BN sheet: Role of size and support towards oxygen bond activation  | Banerjee S., Chemistry Division, Bhabha Atomic Research Centre                                    | Chemical Sciences           | Physical Chemistry: Low-Dimensional Systems and Nanostructures  | 2023                        | 3    | 112 |    |
| Metal-decarburized graphite as drug transdermal agents for oral mucoperirectal chemotherapy drug A 9PT   | Gupta S., Department of Chemical Engineering, Bhabha Atomic Research Centre                       | Physical Sciences           | Physical Chemistry: Chemical Physics  | 2023                        | 0    | 270 |    |
| Crystallization of poly(ethylene alcohol) based ferrogels: effect of carbonic acid concentration   | Patra S., Department of Chemical Engineering, Bhabha Atomic Research Centre                       | Physical Sciences           | Journal of Polymer Research   | 2023                        | 3    | 70  |    |
| Graphene nanosheets-immobilized radiolabelled gelatin hydrogels/mesoporous silica in biodegradable, embolic and drug dressing  | Montela D., Control Instrumentation Division, Bhabha Atomic Research Centre                       | Engineering Sciences        | AIChE Journal   | 2023                        | 3    | 188 |    |
| Inverse $\alpha$ -trigonal charge transfer in metal-molybdenum dual electrolytes regulated by understanding the molybdenum cation  | Pavlis S., Department of Chemical Engineering, Bhabha Atomic Research Centre                      | Chemical Sciences           | Journal of Materials Chemistry C  | 2023                        | 4    | 183 |    |
| Extraction of finite-size topoplasm in an electric field with M-type electrode configuration using a novel adaptive mesh 2D PIC  | Sanjulal G., Mechanical Metallurgy Division, Bhabha Atomic Research Centre                        | Physical Sciences           | Solid State Communications  | 2023                        | 10   | 142 |    |
| Defect Engineering of 2D Dichalcogenides VS <sub>2</sub> to Enhance Anomalous Sensing: Arsenums from DFT Calculations  | Raut M., Department of Physics, Indian Institute of Technology Bombay                             | Physical Sciences           | Physical Review C   | 2023                        | 3    | 238 |    |
| Bulk and monolayer thermoelectric properties of aromatic polyesters of aromatic diamines   | Natarajan A.R., Department of Physics, Indian Institute of Technology Bombay                      | Physical Sciences           | Materials Today Communications  | 2023                        | 0    | 53  |    |
| Experimental Investigation and Crystal Plasticity Simulation with Damage for Single Crystal Copper Subjected to Tensile Load   | Pak S., Homi Bhabha National Institute, Mumbai  | Engineering Sciences        | Metals and Materials International  | 2023                        | 4    | 56  |    |
| High Pressure X-ray Diffraction Study of Orthorhombic C22 $\bar{2}$ 12 $\bar{1}$ 016   | Garcia-Sanchez T., Departamento de Ingenieria Metalurgica, Universidad de Zaragoza                | Physical Sciences           | Journal of Physical Chemistry C   | 2023                        | 3    | 338 |    |
| Structure of water in poly(ethylene alcohol) based ferrogels: effect of carbonic acid concentration  | Lawrence M.P., Department of Physics, Xiamen University   | Physical Sciences           | Journal of Polymer Research   | 2023                        | 3    | 70  |    |
| Non-isothermal mixing time estimation in unbuffered stirred tank: An Ultrasim approach   | Mulherne D., Control Instrumentation Division, Bhabha Atomic Research Centre                      | Engineering Sciences        | AIChE Journal   | 2023                        | 3    | 188 |    |
| Evolution of valence state of Ru metal ions in correlation with the structural and electronic properties of double perovskite ruthenates   | Dani S., Department of Physics, Indian Institute of Technology Bombay                             | Physical Sciences           | Journal of Materials Chemistry C  | 2023                        | 4    | 183 |    |
| Measurement of Mn <sub>2</sub> -doped Zn <sub>2</sub> SnO <sub>4</sub> nanocrystals: Role of secondary phases, bond angles and magnetocrystalline anisotropy   | Natarajan A.R., Department of Physics, Indian Institute of Technology Bombay                      | Physical Sciences           | Journal of Solid State Communications   | 2023                        | 10   | 142 |    |
| Measurements of second-order fourier coefficients from azimuthal anisotropies in $\text{p}, \text{pH}_2$ , and $\text{He} + \text{He}$ collisions at 140 GeV   | Abdullah N.I., Deubois University, Eindhoven  | Physical Sciences           | Physical Review C   | 2023                        | 3    | 238 |    |
| Effect of magnetic field orientation on spin-spin coupling and magnetoelectric effect in polycrystalline Sn <sub>0.5</sub> Si <sub>0.5</sub> Fe <sub>0.4</sub> Sn <sub>0.6</sub>   | Shao S., Department of Metallurgical Engineering, Bhabha Atomic Research Centre                   | Physical Sciences           | Physical Review C   | 2023                        | 6    | 150 |    |
| Ferromagnetic in Mn <sub>2</sub> Sn <sub>2</sub> Mo <sub>2</sub> O <sub>9</sub> nanowires gas pores in the triplet electronic state  | Patra S., Department of Physics, Indian Institute of Technology Bombay                            | Physical Sciences           | Applied Surface Science   | 2023                        | 10   | 235 |    |
| Investigation of induced Acidity in Urinary Ordinary Brownmillerite: Role to Minimize Behavior   | Patra S., Department of Physics, Indian Institute of Technology Bombay                            | Physical Sciences           | Journal of Materials Chemistry C  | 2023                        | 0    | 77  |    |
| Investigation of the effect of gamma irradiation on the growth of viruses on food packaging material   | Patra S., Department of Physics, Indian Institute of Technology Bombay                            | Physical Sciences           | Journal of Materials Chemistry C  | 2023                        | 0    | 10  |    |
| Investigation of Effect of 2D-CTETX on $\text{Fe}^{2+}$ for Determining a Highly Efficient Electrolyte for Hydrogen Production and Metal Ion Recovery  | Abdullah N.I., Deubois University, Eindhoven  | Physical Sciences           | Physical Review C   | 2023                        | 4    | 248 |    |
| Preparation of structures and magnetic frustration in the Kondo cinnabarite CuGa <sub>2</sub> O <sub>4</sub>   | Arora S., Radiochemistry Division, Bhabha Atomic Research Centre                                  | Chemical Sciences           | Physica Scripta   | 2023                        | 3    | 83  |    |
| Defects and doping engineering in dimensional B2N2Z for hydrogen evolution reaction catalyst: Insights from DFT simulation   | Choudhury P., Department of Physics, Faculty of Technology, Bhabha Atomic Research Centre         | Physical Sciences           | International Journal of Hydrogen Energy  | 2023                        | 20   | 263 |    |
| Boron carbide thin film surface characterization after graphic carbon removal using low pressure oxygen gas RF plasma  | Fadnavis P.K., Soft X-ray Applications Lab, Raja Ramanna Centre for Advanced Technology           | Physical Sciences           | Applied Radiation and Isotopes  | 2023                        | 1    | 90  |    |
| A DFT study on the reaction pathway involved in the metal-oxo templated synthesis of benz-11-crown-7(B12C7) from catechol and hexane   | Siddya D.S., Department of Chemistry, Bhabha Atomic Research Centre                               | Physical Sciences           | Journal of Physical Organic Chemistry   | 2023                        | 1    | 74  |    |
| A highly sensitive method for uranium quantification in water samples at ultra-trace level by total reflection X-ray fluorescence, after its separation by column chromatography   | Kant S., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre            | Physical Sciences           | Talanta   | 2023                        | 4    | 185 |    |
| Thermal mutation as a potential mutagen for induced plant mutation breeding: radiofrequency response on wheat and rice   | Kadam S.T., Nuclear Agriculture and Biotechnology Division, Bhabha Atomic Research Centre         | Physical Sciences           | Genetic Resources and Crop Evolution  | 2023                        | 2    | 78  |    |
| Solvation Structure and Dynamics of Aqueous Solutions of Aromatic Molecules: A Molecular Dynamics Simulation Study   | Saha S., Analytical Chemistry Division, Bhabha Atomic Research Centre                             | Physical Sciences           | Journal of Solution Chemistry   | 2023                        | 0    | 72  |    |
| An FGAs-based automated approach for identification and setting of the single electron response threshold voltage in portable TOF spectrometer   | Sarker K., Radiation Safety Division, Bhabha Atomic Research Centre                               | Physical Sciences           | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023                        | 1    | 181 |    |
| Evolution of microparticles most commonly used face mask in COVID-19 pandemic  | Bangalore R., Environmental Monitoring and Chemical Sciences, Bhabha Atomic Research Centre       | Physical Sciences           | Environmental Science and Pollution Research  | 2023                        | 15   | 179 |    |
| Investigating CT displaying and Ingesting Ni-Mo <sub>2</sub> alloy with different Mo/ $\text{Ni}$ ratio exposed to FLuNAT salt   | Banerjee R.H., Materials Science Division, Bhabha Atomic Research Centre                          | Engineering Sciences        | Corrosion Science   | 2023                        | 8    | 249 |    |
| Whitham's A stereological formula for estimating the number of clusters against mean diameter induced apodized genotopy and heterozygosity   | Patra S., Department of Physics, Indian Institute of Technology Bombay                            | Physical Sciences           | Frontiers in Earth and Planetary Sciences   | 2023                        | 3    | 100 |    |
| Investigation of the effect of temperature and pressure on the thermal and electrical properties of $\text{Li}_{1+x}\text{Ta}_2\text{O}_7$   | Kannan S., Electrical Engineering, IIT Gandhinagar  | Physical Sciences           | Journal of Alloys and Compounds   | 2023                        | 13   | 47  |    |
| High thermoelectric performance of levitated $\text{Li}_{1-x}\text{Ta}_2\text{O}_7$ from electrical and thermal transport calculations   | Natarajan A.R., Department of Physics, Indian Institute of Technology Bombay                      | Physical Sciences           | Acta Materialia   | 2023                        | 12   | 284 |    |
| Pressure induced Structural Phase Transitions in the Chalcogenide $\text{Li}_{0.9}\text{Sn}_{1-x}\text{Cd}_{x}\text{O}$ with Breathing Lattice   | Gupta M., Experimental Astrophysics Laboratory, Bhabha Atomic Research Centre                     | Physical Sciences           | Applied Radiation and Isotopes  | 2023                        | 2    | 135 |    |
| Studies of Transient Photoisomerization in an Electrostatic Field: Single Particle Motion to Its Collective Behavior   | Jana B., Bhabha Atomic Research Centre, Mumbai  | Engineering Sciences        | IEEE Transactions on Plasma Science   | 2023                        | 1    | 119 |    |
| Ultrafast isomerization in bond twisting process – role of proton  | Santis A., IIT-DAE Centre for Excellence in Basic Sciences  | Physical Sciences           | Journal of Photochemistry and Photobiology A: Chemistry   | 2023                        | 0    | 178 |    |
| Simulation of coupled flow and contaminant transport in an unconfined aquifer using the local radial point interpolation meshless method   | Swami S., Homi Bhabha National Institute  | Engineering Sciences        | Hydrogeology Journal  | 2023                        | 3    | 118 |    |
| Probing reaction mechanisms through residual cross section measurement for $\text{Li}^{+}\text{H}_2\text{O}$   | Patra S., Department of Physics, Indian Institute of Technology Bombay                            | Physical Sciences           | Journal of Physical Chemistry   | 2023                        | 5    | 97  |    |
| Mitochondrial Respiratory Derivative of Ethyl Ferulate, a Dietary Phenylpropanoid, Exhibits Enhanced Cytotoxicity in Cancer Cells via Mitochondria   | Singh A., Department of Pharmaceutical Sciences, Bhabha Atomic Research Centre                    | Physical Sciences           | Physica Scripta   | 2023                        | 2    | 135 |    |
| Excitation Frequency Effect on Breast Cancer Cell Death by Atmospheric Pressure Cold Plasma  | Chaturvedi Mirza V., Laser & Plasma Technology Division, Bhabha Atomic Research Centre            | Physical Sciences           | Plasma Chemistry and Plasma Processing  | 2023                        | 6    | 81  |    |
| Accurate Determination of the Binding Energies of Rare-Earth Noble Iodates   | Garg A.B., High Pressure and Synchrotron Radiation Division, Bhabha Atomic Research Centre        | Physical Sciences           | Journal of Physical Chemistry Letters   | 2023                        | 28   | 252 |    |
| Guest Binding with Sulfated Cyclodextrins: Does the Size of Cavity Matter?   | Saha S., Department of Chemistry, Bhabha Atomic Research Centre                                   | Physical Sciences           | ChemPhysChem  | 2023                        | 2    | 160 |    |
| The complementary role of MRI and PET in high grade gliomas to differentiate recurrence from radionecrosis   | Sahu A., Department of Radiodiagnosis, Tata Medical and Health Sciences                           | Medical and Health Sciences | Frontiers in Nuclear Medicine   | 2023                        | 1    | 83  |    |
| Dynamical Response of Single Crystal Al, Cu & Ni Upon Impact - MD And Ab-Initio Calculations   | Madhavan S. C., IIT-DAE Research Institute  | Physical Sciences           | Journal of Dynamic Behavior of Materials  | 2023                        | 5    | 23  |    |
| Minimized double transit time field measurement probe using the Faraday rotation principle   | Patra S., Department of Physics, Indian Institute of Technology Bombay                            | Physical Sciences           | Applied Physics   | 2023                        | 0    | 217 |    |
| Thiazaphosphonium cation formation by borophin-fenthieno-fused cyclotriphosphazene   | Patra S., Centre for Nanoscience and Nanotechnology, IIT-Bombay                                   | Physical Sciences           | Journal of Molecular Liquids  | 2023                        | 0    | 140 |    |
| In view of "On-Site" Nuclear Forensics and Assay of Fissile Materials in Sealed Packages by High-Resolution $\gamma$ -Ray Spectrometry   | Patra S., Radiochemistry Division, Bhabha Atomic Research Centre                                  | Physical Sciences           | European Physical Journal B   | 2023                        | 11   | 305 |    |
| Organophosphine-Ring Strapped Polyvinyls: Functionalized Casuarin-Derived Macrocycles  | Dnyaneshwar V., Department of Chemistry, Bhabha Atomic Research Centre                            | Physical Sciences           | Analytical Chemistry  | 2023                        | 1    | 360 |    |
| Understanding natural radiation induced cationic and anionic defects in natural sulfuric single crystals through spectroscopic investigations  | Dravid Y., Department of Chemistry, Bhabha Atomic Research Centre                                 | Physical Sciences           | Angewandte Chemie - International Edition   | 2023                        | 3    | 640 |    |
| Transcriptome Coupled DNA repair protein UVSSA binds to DNA and RNA: Mapping of nucleic acid interaction sites on human UVSSA  | Varma M., Experimental Astrophysics Laboratory, Bhabha Atomic Research Centre                     | Physical Sciences           | Archives of Biochemistry and Biophysics   | 2023                        | 2    | 194 |    |
| Understanding the Effects of Tetrahedral Site Occupancy by the Zn Dopant in Ni-Zn <sub>2</sub> Sn <sub>1-x</sub> Li <sub>x</sub> at high-manganese   | Sharma S., Advanced Batteries and Ceramics Division, Bhabha Atomic Research Centre                | Physical Sciences           | ACIS Applied Materials and Interfaces   | 2023                        | 6    |     |    |

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| Continuous-discrete filtering techniques for estimating states of nonlinear differential-algebraic equations (DAEs) systems  | Bhate S., Homi Bhabha National Institute, Mumbai, India  | Engineering Sciences                                       | International Journal of Dynamics and Control   | 2023 | 3   | 33  |
| Sequestration of $\text{Np}^{+4}$ and $\text{No}_{2+7}$ ions by using dicyclohexyl functionalized azobenzene ethers in $\text{CH}_3\text{N}( \text{CH}_3)_2$ ionic liquid: Extraction, separation and new approach for separation of U and Mo using a task-specific sonic liquid from hydrochloric acid medium: extraction and electrospray ionization mass spectrometry | Sugan R.B., Radisomistry Division, Bhabha Atomic Energy Research Centre, Mumbai, India                           | Chemical Sciences  | Journal of Molecular Liquids  | 2023 | 7   | 168 |
| A shear modified enhanced Gurson constitutive relation and implications for localization   | Khan I.A., Reactor Safety Division, Bhabha Atomic Energy Research Centre, Mumbai, India                          | Engineering Sciences                                       | New Journal of Chemistry  | 2023 | 5   | 139 |
| LT spectra for pmtf1(+C) system at different proton energies using CR-39: Development of autoLT code for automated generation  | Sahoo G.S., Health Physics Division, Bhabha Atomic Energy Research Centre, Mumbai, India                         | Physical Sciences  | Journal of the Mechanics and Physics of Solids  | 2023 | 12  | 109 |
| Interaction of lanthanide and actinide with BaF <sub>3</sub> perovskite: A case study with cerium and uranium  | Gupta S.K., Radisomistry Division, Bhabha Atomic Energy Research Centre, Mumbai, India                           | Physical Sciences  | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023 | 1   | 181 |
| Reversible hydrogen adsorption in Ti-functionalized porous polyacrylate: Insights from first-principles calculations   | Dewangan J., Institute of Technology & Management, Mumbai, India   | Physical Sciences  | Journal of the American Ceramic Society   | 2023 | 5   | 223 |
| New approach for separation of U and Mo using a task-specific sonic liquid from hydrochloric acid medium: extraction and electrospray ionization mass spectrometry   | Sugan R.B., Radisomistry Division, Bhabha Atomic Energy Research Centre, Mumbai, India                           | Chemical Sciences  | Energy Storage  | 2023 | 14  | 14  |
| Characterization of zeolite-midoleate frameworks using proton annihilation lifetime spectroscopy   | Deshmukh S., Department of Chemistry, K.J.S.U. Chemical Sciences   | Journal of Molecular Liquids                               | 2023  | 4    | 168 |     |
| Purification-based chemical vapour deposition for atomic coating on tubular carbon steel substrates – Modeling and validation  | Mor J., Radisomistry Division, Bhabha Atomic Energy Research Centre, Mumbai, India                               | Chemical Sciences  | Canadian Journal of Chemical Engineering  | 2023 | 12  | 190 |
| Impact of metal cation concentration on the formation of nanoscale clusters of $\text{Ni}^{2+}$ and $\text{Cd}^{2+}$ in aqueous solution   | Patel P., Department of Materials Science and Engineering, IIT Bombay, Mumbai, India                             | Chemical Sciences  | Crystallization   | 2023 | 3   | 174 |
| Size-selective adsorption of nuclei and on graphite quantum dots: Physico-chemical and theoretical evidence  | Mori S., IUGS-Dat Consortium for Scientific Drilling, Japan  | Physical Sciences  | Journal of Molecular Liquids  | 2023 | 11  | 166 |
| Transient heat transfer characteristics of submerged heat source under ambient conditions  | Chauhan S.P., Homi Bhabha National Institute, Mumbai, India  | Engineering Sciences                                       | International Journal of Thermal Sciences   | 2023 | 1   | 145 |
| Band gap and defect engineering of boronitride using $\text{La}_2\text{O}_3$ : To obtain a photoelectrochemical system for ultrafast solar energy conversion   | Prakash J., Materials Group, Bhabha Atomic Energy Research Centre, Mumbai, India                                 | Chemical Sciences; Engineering Sciences; Life Sciences     | Defects and Diffusion   | 2023 | 3   | 211 |
| Determination of thallium in vegetative plant leaves near industrial areas by high-resolution continuum source electrothermal atomic absorption spectrometry   | Meenakshi N.M., National Center for Compost Chemical Sciences  | Spectrochimica Acta - Part B: Atomic Spectroscopy          | 2023  | 9    | 128 |     |
| Unraveling the Potential of Lutetium-177 Labelled Perlsulfon-Targergen HER-2 Receptors for Therapeutic Applications  | Sharma H., Radiopharmacy Division, Bhabha Atomic Energy Research Centre, Mumbai, India                           | Chemical Sciences  | International Journal of Radiation Oncology Biology Physics   | 2023 | 3   | 277 |
| Bonding of ionized homologous actinide and lanthanide ions with chalcogenide donors: effect of metal-fortal participation and donor size   | Chaturai S., Health Physics Division, Mumbai, India  | Chemical Sciences  | Structural Chemistry  | 2023 | 2   | 54  |
| Assessing the prospect of XAFS experiments of metallocarpos under in vivo conditions at Indus-2 synchrotron facility, India  | Lahiri D., High Pressure and Synchrotron Radiation Division, Bhabha Atomic Energy Research Centre, Mumbai, India | Chemical Sciences  | Journal of Synchrotron Radiation  | 2023 | 0   | 114 |
| On the Propensity of Excess Hydroxyl Ions at the Alkali Monohydride Water Interface  | Bandopadhyay D., Heavy Water Division, Bhabha Atomic Energy Research Centre, Mumbai, India                       | Chemical Sciences  | Journal of Physical Chemistry B   | 2023 | 0   | 422 |
| Simple, Fast, and Selective Detection of Eu <sup>2+</sup> in an Ionic Liquid as a Sustainable Paradigm for Lanthanide-Actinide Separations in Radiochemistry   | Vernon P.K., Radisomistry Division, Bhabha Atomic Energy Research Centre, Mumbai, India                          | Chemical Sciences; Physical Sciences                       | Inorganic Chemistry   | 2023 | 8   | 255 |
| Wearable fluorinated reinforced magnesium alloy based porous bio-nanocomposite scaffolds with tunable mechanical properties  | Garmella P., Engineering Biomedical Materials Division, Bhabha Atomic Energy Research Centre, Mumbai, India      | Chemical Sciences  | Journal of Biomedical Materials Research - Part B Applied Biomaterials  | 2023 | 5   | 129 |
| Role of computed tomography in the evaluation of regional metastasis in well-differentiated thyroid cancer   | Vaidin R., Head and Neck Services, Tata Memorial Hospital, Mumbai, India   | Medical and Health Sciences                                | Frontiers in Radiology  | 2023 | 1   | 24  |
| Study on the integrity of prolonged steam oxidized cladding quenched at various reflow rates   | Singh A.R., Mechanical Engineering Department, Engineering Sciences  | Nuclear Engineering and Design                             | 2023  | 0    | 123 |     |
| An improved train path dependent model under multiaxial cyclic loading for simulating material response of low-C Mn steel  | Pandey V., Mechanical Engineering Department, Engineering Sciences   | International Journal of Fatigue                           | 2023  | 3    | 153 |     |
| Solvent wash studies for the removal of $\text{Pb}$ by pulsed solvent under simulated PWRX condition   | Sharma S., Reprocessing Group, RISCAR, IIT Bombay, Mumbai, India   | Chemical Sciences  | Journal of Radioanalytical and Nuclear Chemistry  | 2023 | 9   | 75  |
| CO <sub>2</sub> hydrate formation in the presence of organic acids: PVT modeling and simulation  | Sharma S., Department of Chemical Engineering, IIT Bombay, Mumbai, India   | Chemical Sciences  | Journal of Chemical Physics   | 2023 | 3   | 295 |
| Thermoplastic-like behavior of nanocellulose and nanocellulose assemblies in normal and inverse pressure*  | Ehsan S., Radiopharmacy Division, Bhabha Atomic Energy Research Centre, Mumbai, India                            | Chemical Sciences  | Indirect and Engineering Thermodynamics   | 2023 | 0   | 225 |
| Remarkable enhancement in CNT fiber synthesis by reducing conversion vertex in floating catalyst chemical vapor deposition   | Kausik A., Materials Group, Bhabha Atomic Energy Research Centre, Mumbai, India                                  | Chemical Sciences  | Colloid and Polymer Science   | 2023 | 3   | 85  |
| Influence of defect dynamics on the nanodiamondization by NiO/CrHg high energy alloy under high dose $\gamma$ -ray irradiation   | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Chemical Engineering Journal  | 2023 | 7   | 309 |
| Toward Developing Techniques -Agnostic Machine Learning Classification Models for Forensically Relevant Glass Fragments  | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Journal of Chemical Information and Modeling  | 2023 | 2   | 192 |
| On enhancing the ion-conductivity of quasi-solid-state electrolytes by suppressing the flexibility of zeolitic imidazole framework & via guest exchange  | Upalika P., Radisomistry Division, Bhabha Atomic Energy Research Centre, Mumbai, India                           | Chemical Sciences  | Physical Chemistry Chemical Physics   | 2023 | 1   | 296 |
| Relativistic-coupled cluster study of $\text{Li}$ for low-energy precision tests of fundamental physics  | Talukdar K., Department of Chemical Sciences, Chemical Sciences; Engineering Sciences; Physical Sciences         | Theoretical Chemistry Accounts                             | 2023  | 1    | 117 |     |
| Understanding the influence of eccentric pressure tube on the thermal behavior of 37-element closed PWR channel under accident conditions  | Bhandari S., Homi-Bhabha National Institute, Mumbai, India   | Chemical Sciences  | Journal of Thermal Spray Technology   | 2023 | 0   | 100 |
| Phase Evolution and Microstructural Behavior in Plasma-sprayed YPD Coating upon Thermal Cycling  | Shambu S., Homi-Bhabha National Institute, Mumbai, India   | Chemical Sciences  | Journal of Thermal Spray Technology   | 2023 | 0   | 100 |
| Effect of oxygen depletion on the ionization rate of $\text{Li}$ for low-energy precision tests of fundamental physics   | Ajay K., Department of Mechanical and Industrial Engineering Sciences  | Annals of Nuclear Energy                                   | 2023  | 1    | 82  |     |
| Stress-strain analysis of a quasi-solid-state electrolyte by suppression of the flexibility of zeolitic imidazole framework & via guest exchange   | Upalika P., Radisomistry Division, Bhabha Atomic Energy Research Centre, Mumbai, India                           | Chemical Sciences  | Journal of Thermal Spray Technology   | 2023 | 0   | 100 |
| Pressure induced Phase Transition in Multilayered Disulfonido Diselenides Hexaazides   | Malika K., Department of Physics, Institute of Physics, Bhubaneswar, Odisha, India                               | Chemical Sciences  | Journal of Physical Chemistry C   | 2023 | 1   | 338 |
| Linear and non-linear optical properties of boron carbide thin films   | Babu A., Laser and Plasma Technology Division, Engineering Sciences; Physical Sciences                           | Applied Surface Science                                    | 2023  | 15   | 235 |     |
| Effect of repeat oxidation steps on enhanced low $\text{p}m$ C density by copper doped zinc oxide  | Babu A., Laser and Plasma Technology Division, Engineering Sciences; Physical Sciences                           | Materials Chemistry and Physics                            | 2023  | 8    | 177 |     |
| Surface molecular interaction of off-gas flow with a sulfonated glass: Metal ion fluorescence behavior and enhanced selectivity  | Sudhakaran A., Radiation and Photochemistry Division, Bhabha Atomic Energy Research Centre, Mumbai, India        | Chemical Sciences  | Applied Thermal Engineering   | 2023 | 6   | 206 |
| Study of basic-induced degradation mechanism in perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ c-axis solar cells by Electromission Spectroscopy  | Koladevi S.V., Department of Chemistry, K.J.S.U. Chemical Sciences   | Polymer  | 2023  | 2    | 108 |     |
| Compositional variation in $\text{Gd}_{2-x}\text{Mn}_{2+x}$ pyrochlore by modulating $\text{Zr}/\text{Mn}$ ratio and their immediate impact on luminescence properties   | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Journal of Molecular Structure  | 2023 | 0   | 125 |
| An ultrasound-based selection method for detection of hepatitis in 100% human plasma   | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Journal of Clinical Biochemistry and Nutrition  | 2023 | 7   | 186 |
| Development of a novel technique for characterization of nanoscale features in $\text{SiO}_2$ -doped $\text{ZnO}$ -based functionalized Diglycidylamine  | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Journal of Nanoscience and Nanotechnology   | 2023 | 0   | 100 |
| Pressure induced Phase Transition in Multilayered Disulfonido Diselenides Hexaazides   | Malika K., Department of Physics, Institute of Physics, Bhubaneswar, Odisha, India                               | Chemical Sciences  | Journal of Thermal Spray Technology   | 2023 | 0   | 100 |
| Linear and non-linear optical properties of boron carbide thin films   | Babu A., Laser and Plasma Technology Division, Engineering Sciences; Physical Sciences                           | Applied Surface Science                                    | 2023  | 15   | 235 |     |
| Effect of repeat oxidation steps on enhanced low $\text{p}m$ C density by copper doped zinc oxide  | Babu A., Laser and Plasma Technology Division, Engineering Sciences; Physical Sciences                           | Materials Chemistry and Physics                            | 2023  | 8    | 177 |     |
| Surface molecular interaction of off-gas flow with a sulfonated glass: Metal ion fluorescence behavior and enhanced selectivity  | Sudhakaran A., Radiation and Photochemistry Division, Bhabha Atomic Energy Research Centre, Mumbai, India        | Chemical Sciences  | Applied Thermal Engineering   | 2023 | 6   | 206 |
| Study of basic-induced degradation mechanism in perovskite $\text{CH}_3\text{NH}_3\text{PbI}_3$ c-axis solar cells by Electromission Spectroscopy  | Koladevi S.V., Department of Chemistry, K.J.S.U. Chemical Sciences   | Polymer  | 2023  | 2    | 108 |     |
| Effect of Laser Energy Density on Phase Evolution in Laser Surface Method As Cast- $\text{Cu}-\text{Al}$ Alloy   | Shambu S., Homi-Bhabha National Institute, Mumbai, India   | Chemical Sciences  | Transactions of the Indian Institute of Metals  | 2023 | 0   | 44  |
| Sensitivity/agreement of different breeding traits in rice ( $\text{Oryza sativa}$ L.) to electron beam and Ethyl Methane Sulphonate   | Prashant P., Department of Plant Breeding, IIT Bombay, Mumbai, India   | Chemical Sciences  | Electronic Journal of Plant Breeding  | 2023 | 0   | 15  |
| Non-destructive detection of metal traces in foodstuffs by atomic absorption spectrometry  | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Ultrasonics   | 2023 | 1   | 95  |
| Impact of $\text{Fe}^{2+}$ on synthesis of nanosilica on the solid solubility of uranium at 8 kbar of Nd22/CD7 porphyroblast   | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Arabian Journal for Science and Engineering   | 2023 | 2   | 70  |
| Radiobiological nanoporous hydroxyapatite microfibres: An advanced material for potential use in radiation synovectomy   | Patra S., Radiopharmacutes Division, Bhabha Atomic Energy Research Centre, Mumbai, India                         | Chemical Sciences; Engineering Sciences; Physical Sciences | Journal of Nuclear Materials  | 2023 | 0   | 166 |
| Evaluation of Conducted Electromagnetic Interference Behavior of Copper Laser  | Singh D.K., Homi-Bhabha National Institute, Mumbai, India  | Engineering Sciences; Physical Sciences                    | IEEE Transactions on Electromagnetic Compatibility  | 2023 | 2   | 103 |
| Pressure-temperature phase diagram of calcium up to 50 GPa at 0.5 GPa pressure   | Navay S., High Pressure and Synchrotron Radiation Division, Bhabha Atomic Energy Research Centre, Mumbai, India  | Chemical Sciences  | Solid State Communications  | 2023 | 1   | 142 |
| Mechanistic aspects of $\text{s}-\text{n}$ combustion synthesis: Low Temperature gadolinium oxide formation during the high temperature intractions  | Rajne N., Analytical Chemistry Division, B.A.R.C. Chemical Sciences  | Thermodynamics   | 2023  | 0    | 156 |     |
| Effect of Laser Energy Density on Phase Evolution in Laser Surface Method As Cast- $\text{Cu}-\text{Al}$ Alloy   | Shambu S., Homi-Bhabha National Institute, Mumbai, India   | Chemical Sciences  | Transactions of the Indian Institute of Metals  | 2023 | 0   | 44  |
| Sensitivity/agreement of different breeding traits in rice ( $\text{Oryza sativa}$ L.) to electron beam and Ethyl Methane Sulphonate   | Prashant P., Department of Plant Breeding, IIT Bombay, Mumbai, India   | Chemical Sciences  | Electronic Journal of Plant Breeding  | 2023 | 0   | 15  |
| Impact of $\text{Fe}^{2+}$ on synthesis of nanosilica on the solid solubility of uranium at 8 kbar of Nd22/CD7 porphyroblast   | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Ultrasonics   | 2023 | 1   | 95  |
| Radiobiological nanoporous hydroxyapatite microfibres: An advanced material for potential use in radiation synovectomy   | Patra S., Radiopharmacutes Division, Bhabha Atomic Energy Research Centre, Mumbai, India                         | Chemical Sciences; Engineering Sciences; Physical Sciences | Arabian Journal of Chemistry  | 2023 | 0   | 166 |
| Effect of polarization on high-resolution $\text{B}$ NMR Spectroscopy: A Nuclear Energy Perspective on Possible Smugling   | Yadav A.C., Department of Physics, Faculty of Technology and Engineering, Phagwara, India                        | Chemical Sciences  | Asian Journal of Chemistry (Phildelphi)   | 2023 | 0   | 41  |
| Interrogating a Mixed Actin-Erickett Bucket Using High-Resolution $\text{B}$ NMR Spectroscopy: A Nuclear Energy Perspective on Possible Smugling   | Yadav A.C., Department of Physics, Faculty of Technology and Engineering, Phagwara, India                        | Chemical Sciences  | Asian Journal of Chemistry (Phildelphi)   | 2023 | 0   | 41  |
| K-ray absorption near-edge, ferrocyanine and Raman spectroscopies evidence growth orientation dependent cation, phase transition and grafting of chitosan to copper for efficient removal of cationic dyes   | Patel P., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 0   | 289 |
| Cheaper Amphiphilic Bolecules with Ester Bearing Moieties: Aggregation Properties and Antibacterial Activity   | De E., Antimicrobial Research Laboratory, New Jersey, USA  | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 1   | 373 |
| Study of plutonium recovery from acid feed using polyethersulfone encapsulating TBP, DEHPA, and mixture of TBP and DEHPA beads   | Gudhat S.R., Nuclear Reactor Board, Bhabha Atomic Energy Research Centre, Mumbai, India                          | Chemical Sciences  | Biotechnical Journal  | 2023 | 0   | 91  |
| Elucidating the interaction of C-terminal domain of Vaccinia Related Krause 2a (VRK2a) with $\text{E}(\text{G})\text{p}_2\text{y}\text{p}_3\text{x}$ triphosphate  | Patra S., Radiopharmacutes Division, Bhabha Atomic Energy Research Centre, Mumbai, India                         | Chemical Sciences  | Biotechnical Journal  | 2023 | 0   | 289 |
| Investigation on Cu/CH <sub>3</sub> Cl Electrolysis Using a P/UC Electrolytic-based Membrane Electrode Assembly  | Patra S., Radiopharmacutes Division, Bhabha Atomic Energy Research Centre, Mumbai, India                         | Chemical Sciences  | Frontiers in Energy Research  | 2023 | 0   | 100 |
| Effect of polarization on high-resolution $\text{B}$ NMR Spectroscopy  | Yadav A.C., Department of Physics, Faculty of Technology and Engineering, Phagwara, India                        | Chemical Sciences  | IEEE Transactions on Plasma Science   | 2023 | 0   | 119 |
| Diagnostics of Inertially Coupled Plasma Under the Influence of $\text{Rb}$ Self-Sustained Self-Excited Electrode  | Karar V.T.C., Radiation and Photochemistry Division, Bhabha Atomic Energy Research Centre, Mumbai, India         | Chemical Sciences  | Frontiers in Chemistry  | 2023 | 3   | 106 |
| Effect of pulsed laser and $\text{Fe}^{2+}$ /amino acids on sodium ion battery using a carbon-based metal-organic framework  | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Frontiers in Environmental Sciences   | 2023 | 2   | 77  |
| Correlation of plasma parameters in inertially coupled plasma with the effect of $\text{Rb}$ on the performance of $\text{Na}^+$ and $\text{H}_2\text{O}^+$ ion currents   | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Journal of Indian Society of Periodontology   | 2023 | 0   | 35  |
| Investigation of $\text{Fe}^{2+}$ on the performance of $\text{Na}^+$ and $\text{H}_2\text{O}^+$ ion currents in inertially coupled plasma   | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Journal of Indian Society of Periodontology   | 2023 | 0   | 35  |
| Investigation of tribological and corrosion behavior in $\text{Al}_2\text{O}_3$ and $\text{Si}_3\text{N}_4$ coatings on $\text{TiAl}$ alloy  | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Journal of Tribology  | 2023 | 1   | 225 |
| Damage-Created Crystallite Plasticity Model for Prediction of Fracture-Gap Behavior Under Stress and Strain Controlled Ratcheting for a Better Understanding of Satisfaction of Sliding Through Study of Glass/Crystal Composites  | Dutta P., Department of Materials Science and Engineering, IIT Bombay, Mumbai, India                             | Chemical Sciences  | Industrial and Engineering Chemistry Research   | 2023 | 2   | 84  |
| Highly Promising Method for the Decomposition of Uranium from European Union Using an Electromagnetic Chromatography Resin Containing $\text{Gd}^{3+}$   | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Transactions of the Indian Institute of Metals  | 2023 | 0   | 44  |
| Performance evaluation of an ingeniously designed high performance dynamic feeding robotic structure using advanced adaptive motion planning   | Parikh P., Institute of Design, Nirma University, Ahmedabad, India   | Chemical Sciences  | Industrial and Engineering Chemistry Research   | 2023 | 2   | 225 |
| Comparative Analysis of MORPHOLOGICAL AND STRUCTURAL CHANGES IN GAMMA AND ELECTRON BEAM IRRADIATED SUGARCANES  | Patil P., Department of Rock Deformation, Bhabha Atomic Energy Research Centre, Mumbai, India                    | Chemical Sciences  | International Journal on Interactive Design and Manufacturing   | 2023 | 8   | 38  |
| Concurrent influence of geological parameters on the integrated pore-size structure and fracture under high pressure   | Joshi H., Homi-Bhabha National Institute, Mumbai, India  | Chemical Sciences  | IEEE Transactions on Instrumentation and Measurement  | 2023 | 1   | 149 |
| Investigation of tribological behavior of a model tribocouple for high-temperature thin film composite bearing surfaces  | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 2   | 91  |
| Investigations and experiments of ultrasonic wave propagation and flow characterization for enderometer concrete structures  | Patel D., Department of Chemistry, Bar-Ilan University, Ramat Gan, Israel  | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 0   | 310 |
| Damage-Created Crystallite Plasticity Model for Prediction of Fracture-Gap Behavior Under Stress and Strain Controlled Ratcheting for a Better Understanding of Satisfaction of Sliding Through Study of Glass/Crystal Composites  | Dutta P., Department of Materials Science and Engineering, IIT Bombay, Mumbai, India                             | Chemical Sciences  | Frontiers in Endocrinology  | 2023 | 3   | 120 |
| Macroporous tailored polyimide curcumin nanoparticles limit intracellular survival of Mycobacterium tuberculosis through induction of apoptosis  | Patel D., Radiopharmacy Division, Bhabha Atomic Energy Research Centre, Mumbai, India                            | Chemical Sciences  | Frontiers in Immunology   | 2023 | 5   | 223 |
| Parametric optimization of SnII-SnIII extraction from nitrate media by employing hollow fiber membrane using Taguchi analysis  | Patel D., Radiopharmacy Division, Bhabha Atomic Energy Research Centre, Mumbai, India                            | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 1   | 91  |
| Nucleation kinetics of crystallization of ammonium of uraninite  | Palk S., Uranium Extraction Division, Bhabha Atomic Energy Research Centre, Mumbai, India                        | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 1   | 91  |
| Development of a New Ground Motion Model for a Peninsular Indian Rock Site   | Patel R.S., Department of Reactor Safety Division, Bhabha Atomic Energy Research Centre, Mumbai, India           | Chemical Sciences  | Indian Chemical Engineer  | 2023 | 0   | 19  |
| Functionalized graphene based material as a model for high-temperature thin film composite bearing surfaces  | Patel R.S., Department of Rock Deformation, Bhabha Atomic Energy Research Centre, Mumbai, India                  | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 1   | 91  |
| Release of an encephalitozoon cuniculi cystospores from human hair by enzymatic hydrolysis of membra   | Eswari N. F., Food Technology Division, Bhabha Atomic Energy Research Centre, Mumbai, India                      | Chemical Sciences  | Frontiers in Nutrition  | 2023 | 1   | 21  |
| Highly Efficient Extraction Chromatography Beating Counterion Reactions of $\text{HNO}_3$ and $\text{H}_2\text{SO}_4$ on Ion-Exchange Resin (HONI)   | Eswari N. F., Food Technology Division, Bhabha Atomic Energy Research Centre, Mumbai, India                      | Chemical Sciences  | Frontiers in Nutrition  | 2023 | 1   | 21  |
| Optimization of $\text{H}_2\text{O}_2$ concentration and reaction time for extraction of $\text{BaMn}_2\text{V}_2\text{O}_8$ from $\text{BaMn}_2\text{V}_2\text{O}_8$ thin film deposited onto 2D nanosheets   | Eswari N. F., Food Technology Division, Bhabha Atomic Energy Research Centre, Mumbai, India                      | Chemical Sciences  | Frontiers in Chemistry  | 2023 | 1   | 401 |
| Evolution of static charge density over time, amorphous mode dynamics, and suppression of $\text{K}^+$ anions at the heterolectric transition  | Ramire R., Laser Plasma Division, IISER, Mohali, India   | Physical Sciences  | Physical Review Letters   | 2023 | 12  | 80  |
| Decoding transport selectivity of ions in polymer membranes by $\text{H}_2\text{O}_2$ jet  | Dutta A., Variable Energy Cyclotron Center, IIT Bombay, Mumbai, India  | Chemical Sciences  | Physical Review Letters   | 2023 | 0   | 65  |
| Studies on hydroxymethyl recovery of rare earth elements by $\text{H}_2\text{O}_2$ jet   | Dutta A., Variable Energy Cyclotron Center, IIT Bombay, Mumbai, India  | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 0   | 91  |
| Investigation of determination of fluoride, iodide and chloride ions in cigarette smoke by $\text{H}_2\text{O}_2$ gas scrubber or nuclear recycle facilities   | Eswari N. F., Food Technology Division, Bhabha Atomic Energy Research Centre, Mumbai, India                      | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 0   | 61  |
| Separation and determination of trace level tellurium in potassium nitrate by ion extraction chromatography  | Eswari N. F., Food Technology Division, Bhabha Atomic Energy Research Centre, Mumbai, India                      | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 0   | 61  |
| Electroselective three-step photolysis of $\text{TiO}_2$   | Mozaffari F., The Institute of Mathematical Sciences   | Chemical Sciences  | Separation Science and Technology (Philadelphia)  | 2023 | 0   | 17  |
| Measurement of $\text{Cs}^{+}$ production in $\text{Co}^{2+}$ /Cs $\text{I}^-$ / $\text{Ge}^{49}$ in $\text{Ca}^{40}$ / $\text{Si}^{28}$ / $\text{Ar}^{36}$ / $\text{He}^{3}$ / $\text{Ne}^{20}$ / $\text{Kr}^{83}$ / $\text{Ar}^{40}$ / $\text{Xe}^{133}$   | Das U., Department of Biochemistry, College of Life Sciences   | Physical Review C  | 2023  | 6    | 238 |     |
| Thiourea Mitigates Potential Risk of $\text{SO}_2$ to Human Health   | Abdullah N., Deccan University, Hyderabad, India   | Chemical Sciences  | Journal of Plant Growth Regulation  | 2023 | 3   | 104 |
| Optimization of $\text{H}_2\text{O}_2$ concentration and reaction time for extraction of $\text{BaMn}_2\text{V}_2\text{O}_8$ from $\text{BaMn}_2\text{V}_2\text{O}_8$ thin film deposited onto 2D nanosheets   | Eswari N. F., Food Technology Division, Bhabha Atomic Energy Research Centre, Mumbai, India                      | Chemical Sciences  | Journal of Plant Growth Regulation  | 2023 | 1   | 407 |
| Evolution of static charge density over time, amorphous mode dynamics, and suppression of $\text{K}^+$ anions at the heterolectric transition  | Ramire R., Laser Plasma Division, IISER, Mohali, India   | Physical Sciences  | Physical Review Letters   | 2023 | 0   | 401 |
| Thermal-Hydronic Transition for Primary Coagulation of $\text{H}_2\text{O}_2$ Using $\text{H}_2\text{O}_2$ Lips  | Eswari N. F., Food Technology Division, Bhabha Atomic Energy Research Centre, Mumbai, India                      | Chemical Sciences  | Physical Review Letters   | 2023 | 0   | 401 |
| Analysis of Ductile-to-Brittle Transition Characteristics of Reactor Pressure Vessel Steels  | Eswari N. F., Food Technology Division, Bhabha Atomic Energy Research Centre, Mumbai, India                      | Chemical Sciences  | Nuclear Technology  | 2023 | 3   | 64  |
| Composite of $\text{FeOHO}$ and Mesoporous Carbon Derived from Indian Blackberry Seeds as Low Cost and Recyclable Photocatalyst for Degradation of $\text{Cr}^{(VI)}$  | Vishwanath S., Homi-Bhabha National Institute, Mumbai, India   | Chemical Sciences  | Solvent Extraction and Ion Exchange   | 2023 | 0   | 74  |
| Characterization of a single sphere neutrino spectrometer using a $\text{ZnO}$ -based optical stimulus illuminated nanosensors detectors   | Vishwanath S., Homi-Bhabha National Institute, Mumbai, India   | Chemical Sciences  | Water: Environment Research   | 2023 | 2   | 83  |
| Antioxidant and Anti-inflammatory Activities Mediate the Radioprotective Effect of Thiamine pentoxide on the trajectory of the COVID-19 epidemic in India: a modelling study   | Tripathy S.P., Department of Chemical Sciences, Engineering Sciences   | Radiation Measurements                                     | 2023  | 4    | 108 |     |
| Measurement of $\text{Cs}^{+}$ production in $\text{Co}^{2+}$ /Cs $\text{I}^-$ / $\text{Ge}^{49}$ in $\text{Ca}^{40}$ / $\text{Si}^{28}$ / $\text{Ar}^{36}$ / $\text{He}^{3}$ / $\text{Ne}^{20}$ / $\text{Kr}^{83}$ / $\text{Ar}^{40}$ / $\text{Xe}$   |  |  |   |      |     |     |

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|---|--|--|--|------|-----|-----|
| Use of modified Madou-LeBlond model to predict crack initiation in low alloy steel specimens with different stress states   | Kumar S., Homi Bhabha National Institute, Mumbai, India                  | Engineering Sciences                                       | Engineering Fracture Mechanics   | 2023 | 0   | 158 |
| An ultrathin 2D NiCo-LDH nanosheet decorated NiO-LiO-MOF-nanocomposite with exceptional chemical stability for electrocatalytic separation and determination of boron, chlorine, fluorine and polyphenol in uranium silicate using pyrolysis and ion chromatography | S. Kumar, Department of Energy & Environmental Physics                   | Journal of Materials Chemistry A                           | 2023   | 28   | 295 |     |
| A near-infrared emitting supermacrocyclic di- <i>p</i> -polymers as promising platform for proteinase sensing   | Mohita V. G., Radianalytical Chemistry Division                          | Journal of Radioanalytical and Nuclear Chemistry           | 2023   | 5    | 75  |     |
| Enhanced optical and electronic properties of chlorobenzene-assisted perovskite CH3NH3PbI3 -xCl x film incorporated in <i>p</i> -i- <i>n</i> solar cell   | Chakraborty G., Laser and Plasma Technology                              | Chemical Sciences; Life Sciences; Physical Sciences        | Journal of Molecular Liquids   | 2023 | 1   | 168 |
| Genome-wide analysis of bromodomain gene family in Arabidopsis and rice   | Abramiyan T., Molecular Biology Division, Bhabha                         | Life Sciences  | Journal of Materials Science: Materials in Electronics   | 2023 | 1   | 97  |
| Micromechanical and mechanical property evolution of Al9-xTi-xZn2-based alloys-effect of initial microstructure and alloying addition   | Devi A., Homi Bhabha National Institute, Mumbai, India                   | Chemical Sciences; Engineering Sciences; Physical Sciences | Radiation Effects and Defects in Solids  | 2023 | 0   | 34  |
| Pressure-induced superconductivity in the weak topological insulator BiSe   | Malini P., Department of Physics, Indian Institute of Technology Roorkee | Physical Sciences  | Physical Review B  | 2023 | 4   | 497 |
| Chemical characterization of automobile windshiled glass samples by nuclear and radio analytical techniques namely SEM-EDX, ED-XRF, XRD and FTIR  | Sharma V., Department of Nuclear and Radiological Sciences               | Journal of Analytical Atomic Spectrometry                  | 2023   | 4    | 129 |     |
| Laser surface melting of 304L SS: increase in resistance to transpassive dissolution and pitting corrosion  | Mahesh Ghoshal, A., Materials Processing & Characterization              | Ceramic Engineering Sciences and Technology                | 2023   | 1    | 55  |     |
| Modeling and optimization of the performance of a novel hybrid system for water desalination using 2-D PIC Code   | Mathew P., Department of Nuclear and Radiological Sciences               | IEEE Transactions on Nuclear Science                       | 2023   | 3    | 175 |     |
| Developing substrate-driven growth mechanism of copper-oxides for energy conversion and their applications  | Prabir K. Ray, Department of Nuclear and Radiological Sciences           | Materials Science and Technology (United Kingdom)          | 2023   | 1    | 108 |     |
| In situ character for studying batteries failing with high-speed synchrotron radiography  | Fritz J., Fraunhofer Institute for High Speed                            | Physical Sciences  | Journal of Synchrotron Radiation   | 2023 | 7   | 114 |
| Developing post-modified Cu-MOF as a photocatalyst: a detailed mechanistic insight into CO2 reduction toward selective C3 product formation   | Kannan S., Molecular Materials Laboratory                                | Chemical Sciences  | Energy and Environmental Science   | 2023 | 19  | 436 |
| Recovery of Rare Earth Elements from Micro-grain Type Hard Rocks Using Deep Eutectic Solvents   | Karan R., Mineral Processing Division, Bhabha                            | Chemical Sciences  | Transactions of the Indian Institute of Metals   | 2023 | 3   | 44  |
| Thermodynamic stability and leaching behavior of Ba and Zn charged coupled substituted monazite solid solution (La <sub>1-x</sub> Ba <sub>x</sub> /2Th <sub>y</sub> Pt <sub>2-x</sub> O <sub>12</sub> )   | Pawar D., Product Development, Bhabha                                    | Chemical Sciences  | Thermochimica Acta   | 2023 | 1   | 156 |
| Development and characterization of gamma ray and ESR induced materials for powder mordant resistance in blackgram  | Tamilarasi M., Department of Genetics and Cell Sciences                  | International Journal of Radiation Biology                 | 2023   | 1    | 103 |     |
| The atypical thioetherone "Al2205", a newly identified partner of the typical 2-Cys-Perioxidase, safeguards the cytochrome c aa3  | Banerjee M., Molecular Biology Division, Bhabha                          | Biological Journal   | 2023   | 1    | 289 |     |
| Magnetic interaction with arsenic during cursive removal from groundwater: a mechanistic study  | Aith N., Analytical Chemistry Division, Bhabha                           | Chemical Sciences  | Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Health | 2023 | 0   | 87  |
| Genome-wide identification of BDNF(BDN) genes in Glycma mus. l. and their regulated expression patterns under saline environment  | Josh S., Department of Biotechnology, Model                              | Life Sciences  | Current Plant Biology  | 2023 | 3   | 30  |
| Fatigue fracture crack  | Das A., Materials Group, Bhabha Atomic Research                          | Chemical Sciences  | Philosophical Magazine   | 2023 | 0   | 125 |
| FtsZ phosphorylation brings about growth arrest upon DNA damage in Deinococcus radiodurans  | Chaudhary R., Molecular Biology Division, Bhabha                         | Chemical Sciences  | FASER Advancements   | 2023 | 5   | 18  |
| Binding of human serum albumin with uranyl at various pH: an all atom molecular dynamics study  | Chaudhary R., Molecular Biology Division, Bhabha                         | Chemical Sciences  | Journal of Biomolecular Structure and Dynamics   | 2023 | 1   | 87  |
| Evolutionary conservation of protein dynamics: insights from atomistic molecular dynamics simulations of "peptidase" domain of Spt18  | Kaur N., Beamline Development and Applied                                | Life Sciences; Physical Sciences                           | Journal of Biomolecular Structure and Dynamics   | 2023 | 2   | 87  |
| Comparison of the performance of waste wash reagents used for the primary cleanup of degraded PUReX solvent   | Patel S.M., Processing Group, RISCA&Kapta                                | Chemical Sciences  | Radiochimica Acta  | 2023 | 5   | 73  |
| Conformational Analysis, Wavefunction-Based Properties, Molecular Docking and Simulations of a Benzopine Derivative with Effect of Thermal Cyclic on Fracture Toughness of Hydrated Li-Si-Pt Material   | Ali Grabi, S., Department of Chemistry, College                          | Chemical Sciences  | Journal of Biomolecular Structure and Dynamics   | 2023 | 1   | 126 |
| Electron phase transformation in Li-Mo <sub>3</sub> alloys  | Narayana Merli T., Mechanical Metallurgy Division                        | Engineering Sciences                                       | Polymer Aromatic Compounds   | 2023 | 3   | 41  |
| Donnan Denaturation of Haptophytes as a Fluorescent Probe for Tumor Hypoxia Imaging   | Rakesh R., Metallo Fundamentals, Bhabha                                  | Engineering Sciences                                       | Transactions of the Indian Institute of Metals   | 2023 | 0   | 166 |
| DFT and MD investigations of the biomolecules of phenazine derivatives: interactions with gold and water molecules and investigation of nucleophilic analytical techniques for the assessment of soil quality in terms of art content                               | Al Oraibi J.S., Department of Chemistry, College                         | Physical Sciences  | Journal of Nuclear Materials   | 2023 | 1   | 41  |
| Effects of elevated temperature steam oxidation and subsequent quenching on light water reactor clad  | Gupta S.K., Plant Physics and Breeding Division                          | Chemical Sciences  | Journal of Biomolecular Structure and Dynamics   | 2023 | 1   | 36  |
| Assessment of gamma radiation through agro-morphological parameters in canella sinensis L. (O) kunte  | Tripathi J., Food Technology Division, Bhabha                            | Chemical Sciences  | International Journal of Coal Preparation and Utilization  | 2023 | 7   | 87  |
| Recovery and enrichment of actin from metallurgical wastewater model by electrolytically integrated diffusion dialysis system using poly(allylamine hydrochloride) as a fluorescent probe   | Gupta R., Department of Physics, Rani Channamal                          | Physical Sciences  | Nuclear Physics A  | 2023 | 3   | 174 |
| Implication of nuclear analytical techniques for the assessment of soil quality in terms of art content   | M. P. Department of Physics, Rani Channamal                              | Physical Sciences  | Progress in Nuclear Energy   | 2023 | 3   | 82  |
| Effects of elevated temperature steam oxidation and subsequent quenching on light water reactor clad  | Gupta S.K., Plant Physics and Breeding Division                          | Chemical Sciences  | International Journal of Radiation Biology   | 2023 | 3   | 102 |
| Assessment of gamma radiation through agro-morphological parameters in canella sinensis L. (O) kunte  | Tripathi J., Food Technology Division, Bhabha                            | Chemical Sciences  | Separation and Purification Technology   | 2023 | 9   | 91  |
| Recovery and enrichment of actin from metallurgical wastewater model by electrolytically integrated diffusion dialysis system using poly(allylamine hydrochloride) as a fluorescent probe   | Gupta R., Department of Physics, Rani Channamal                          | Physical Sciences  | Journal of Molecular Liquids   | 2023 | 3   | 168 |
| Role of neutron transfer in the reaction mechanism of 9Be+69Li, 181Ta, 187Re and 197Ir systems  | Gupta R., Department of Physics, Rani Channamal                          | Physical Sciences  | Nuclear Engineering and Technology   | 2023 | 4   | 63  |
| Alpha caldron as a potential AC-inhibitory molecule composed of flavonoid polyphenols   | Gupta S.K., Plant Physics and Breeding Division                          | Chemical Sciences  | Journal of Luminescence  | 2023 | 0   | 85  |
| Unified correlations for the prediction of the rate of water vapor diffusion, flooding throughput and flooding slip velocity in a pulse column  | Gupta S.K., Plant Physics and Breeding Division                          | Chemical Sciences  | International Journal of Green Energy  | 2023 | 2   | 55  |
| Analysis of Integral Experiment of the ArCO <sub>2</sub> Reactor at BARC  | Gupta S.K., Plant Physics and Breeding Division                          | Chemical Sciences  | International Journal of Polymer Materials and Polymeric Biomaterials                                    | 2023 | 0   | 41  |
| Qualitative and thermodynamic study of trichloromethane adsorption on activated carbon in a fluidized bed and its thermal regeneration  | Kaur N., Beamline Development and Applied                                | Engineering Sciences                                       | Canadian Journal of Chemical Engineering   | 2023 | 0   | 41  |
| Crystal structure analysis of phenylurethane from marine sponges Calyptella nitescens   | Patel S.M., P. D. Patel Institute of Applied                             | Chemical Sciences  | Journal of Biomolecular Structure and Dynamics   | 2023 | 2   | 87  |
| Unbinding of NHCs and inhibitors from the receptor binding domain of SARS-CoV-2 spike protein   | Motivali V., Department of Physics, Rani Channamal                       | Physical Sciences  | Journal of Biomolecular Structure and Dynamics   | 2023 | 1   | 87  |
| Prediction of electron beam weld width from weld surface using clustering and support vector regression   | Tripathi J., Food Technology Division, Bhabha                            | Chemical Sciences  | Expert Systems with Applications   | 2023 | 11  | 273 |
| Surfactant Assisted In Situ Synthesis of Nanofibrous Cellulose/Poly(methylmethacrylate)/Silica Aerogel For Tuning Its Thermal Performance   | Gupta P., Department of Polymer and Process                              | Physical Sciences  | Micromolecular Rapid Communications  | 2023 | 7   | 173 |
| Transport selectivities in ion exchange membranes: Heterogeneity and analytical method dependence   | Kumar J., Department of Chemistry, Bhabha                                | Chemical Sciences  | Separation Science and Technology (Philadelphia)   | 2023 | 3   | 91  |
| Acute and subacute oral toxicity assessment of 5-hydroxy L-4-aminophenol in mice  | Kumar J., Radochemistry Division, Bhabha                                 | Chemical Sciences  | Drug and Chemical Toxicology   | 2023 | 4   | 54  |
| Understanding the structure-property correlation of tio <sub>x</sub> oxide nanoparticles synthesized through the sol-gel technique  | All S.I., Department of Physics, Bhabha                                  | Chemical Sciences  | Journal of Luminescence  | 2023 | 10  | 131 |
| A comparative photophysical study on the structurally related compound 102 and coumarin 153 dyestuffs   | Sayed M., Radiation & Photochemistry Division                            | Chemical Sciences  | Journal of Photochemistry and Photobiology A: Chemistry  | 2023 | 15  | 176 |
| Development and validation of operational reactor code "ORPC" for research reactors at Trombay  | Kumar J., Reactor Physics and Nuclear Engineering                        | Physical Sciences  | Radiation Physics and Chemistry  | 2023 | 2   | 98  |
| A case study on seasonal and annual average indoor radon, thoron, and their progeny level in Kohima district, Nagaland, India   | Jamir S., Department of Chemistry, Nagaland                              | Physical Sciences  | Isotopes in Environmental and Health Studies   | 2023 | 2   | 47  |
| Discovery of high-pressure amorphous perovskite phase in Ho2O3  | Maiti A.K., Materials Science Programme, India                           | Physical Sciences  | Journal of Physics and Chemistry of Solids   | 2023 | 5   | 121 |
| Comprehensive oxidative process for the removal of antimony from the surfaces of nuclear reactor coolant systems  | Bhasikarallu A., Radiation and Reactor Control                           | Chemical Sciences  | Chemosphere  | 2023 | 2   | 311 |
| Novel approach for the synthesis of Mn <sub>2</sub> Si <sub>3</sub> O <sub>8</sub> and Mn <sub>2</sub> Si <sub>3</sub> O <sub>8</sub> ·nH <sub>2</sub> O  | Patel S.M., P. D. Patel Institute of Applied                             | Chemical Sciences  | Journal of Materials Science and Technology  | 2023 | 2   | 105 |
| Effect of gamma irradiation on the infrared emission response of the selenide anion in a selenite   | Endreka A., Department of Electronics, Centre                            | Chemical Sciences  | Plasma Science   | 2023 | 3   | 165 |
| Determination of concentrations of some elements in marine concretes from Thane creek area (Mumbai, India) using ED-XRF technique   | Tripathi J., Food Technology Division, Bhabha                            | Chemical Sciences  | International Journal of Environmental Analytical Chemistry  | 2023 | 0   | 51  |
| Electromechanical and spectroscopic evaluation of 6-MP and its interaction with carbon dots and dithiols  | Inte P.R., Analytical Chemistry Division, Bhabha                         | Chemical Sciences  | Microchemical Journal  | 2023 | 2   | 107 |
| Infrared spectra of organic compounds   | Inte P.R., Analytical Chemistry Division, Bhabha                         | Chemical Sciences  | Fuel   | 2023 | 32  | 256 |
| Biophysical and molecular modeling evidences for the binding of suffa molecules with hemoglobin   | Chandola D., Computational and Experimental                              | Physical Sciences  | Journal of Photochemistry and Photobiology A: Chemistry  | 2023 | 13  | 87  |
| pH assisted modulation in the binding affinity of BCPBP1-domain conjugate with amino cyclodextrin   | Mavani A., Department of Chemistry, National                             | Physical Sciences  | Journal of Biomolecular Structure and Dynamics   | 2023 | 5   | 178 |
| Detection of gamma radiation produced during storage using sodium iodide based fluorescence microscopy  | Chakraborty G., Laser and Plasma Technology                              | Chemical Sciences  | Food Chemistry   | 2023 | 5   | 324 |
| Human reliability analysis studies from simulation experiments using Bayesian inference   | Garg V., Radiation Safety Division, Bhabha                               | Engineering Sciences                                       | Reliability Engineering and System Safety  | 2023 | 17  | 179 |
| Assessing the efficiency of different solvents for detecting glistenin from soil, organic manures and crop plant  | Jayashankar R., Department of Plant Pathology, Agriculture               | Physical Sciences  | International Journal of Environmental Analytical Chemistry  | 2023 | 1   | 51  |
| Highly selective gravitational transport of platinum(IV) across a supported liquid membrane using two substituted tripodal amides   | Karla A., CERN, FPI, Nuclear Reactor                                     | Physical Sciences  | Separation Science and Technology (Philadelphia)   | 2023 | 2   | 91  |
| Effectiveness of gravitational separation of platinum(IV) across a supported liquid membrane using two substituted tripodal amides  | Karla A., CERN, FPI, Nuclear Reactor                                     | Physical Sciences  | European Physical Journal Plus   | 2023 | 1   | 84  |
| Efficient CO <sub>2</sub> utilization and sustainable energy conversion via 2n-CO <sub>2</sub> batteries  | Kaur S., Department of Chemistry, India                                  | Chemical Sciences  | Nano Energy  | 2023 | 17  | 255 |
| Isotopic noise and amplifying the signal-to-noise ratio in measurement and postdection  | Kumar J., Radochemistry Division, Bhabha                                 | Chemical Sciences  | Physical Review A  | 2023 | 0   | 255 |
| Thermoelectric properties of inversion symmetry broken Weyl semimetal Weyl superconductor hybrid junctions  | Savali A., Advanced Technology Institute, Delhi                          | Physical Sciences  | Physical Review B  | 2023 | 2   | 497 |
| Heavy neutral leptons at the Electron Ion Collider  | Bhati A., Prakash Particle Physics Astrophysics                          | Physical Sciences  | Journal of High Energy Physics   | 2023 | 7   | 225 |
| Impact of electron density on the energy loss fine structure (ELFS) on short intervals  | Tripathi J., Food Technology Division, Bhabha                            | Chemical Sciences  | Journal of Biomolecular Structure and Dynamics   | 2023 | 2   | 49  |
| Establishing stability of the novel layered ternary titanate nanomaterials: Emergence of a new generation of earth abundant HEB catenates   | Al Hanif, Hanif-Chandra Research Institute, India                        | Mathematical Sciences                                      | Computational Materials Science  | 2023 | 0   | 25  |
| Nonthermal warm dark matter limits from small structure   | Abhishek A., Department of Physics, India                                | Physical Sciences  | Physical Review D  | 2023 | 0   | 393 |
| Collider signatures of t-tbar leptoquarks and vectorlike lepton limit of muon anomaly   | Ghosh D., RRCAT Accelerator for Accelerators                             | Physical Sciences  | Physical Review D  | 2023 | 7   | 393 |
| Parametric generated tensor structures on the derived categories of Noetherian schemes  | Devaraj S., Department of Physics, Bhabha                                | Chemical Sciences  | Mathematische Zeitschrift  | 2023 | 0   | 66  |
| Coherent states in M-theory: A brane scan using the Taub-NUT geometry   | Chakraborty G., Department of Physics, Mithila                           | Physical Sciences  | Physical Review D  | 2023 | 0   | 393 |
| Enhancing efficiency of the ternary tri-chalcogenide Mn <sub>2</sub> Si <sub>3</sub> O <sub>8</sub> towards hydrogen evolution reaction by activating its basal plane   | Gupta M., Hanif-Chandra Research Institute, India                        | Chemical Sciences  | International Journal of Hydrogen Energy   | 2023 | 6   | 263 |
| Self-powered NRH synthesis by bifunctional C20B <sub>2</sub> based high power density Zn-air batteries  | Gupta D., Department of Physics, India                                   | Physical Sciences  | Journal of Materials Chemistry A   | 2023 | 4   | 295 |
| Pressure Driven Optical Transitions in Colinear-Ordered Cd <sub>2</sub> AgCdS <sub>3</sub> : Phase Transformation-Independent Pseudochromism  | Mir S.H., Materials Theory for Energy Scanning                           | Physical Sciences  | Journal of Physical Chemistry C  | 2023 | 1   | 338 |
| S-doped CdS derived from thiadiazole for efficient photo catalytic hydrogen evolution   | Gupta D., Department of Physics, India                                   | Physical Sciences  | Journal of Materials Chemistry A   | 2023 | 31  | 295 |
| Positional effect of two-dimensional Bimetallic Hexagonal Nb <sub>2</sub> S <sub>3</sub> monolayer as an efficient anode material for Co-Ion Batteries: A First-Principles Study  | Choudhury S., Department of Physics, Visva-Bharti University             | Physical Sciences  | Computational Materials Science  | 2023 | 5   | 143 |
| Effect of minimal length on Landau damping and the Heaviside-Zeta effect  | Abhishek M., Department of Physics, Institute                            | Physical Sciences  | European Physical Journal Plus   | 2023 | 1   | 84  |
| Efficient CO <sub>2</sub> utilization and sustainable energy conversion via 2n-CO <sub>2</sub> batteries  | Kaur S., Department of Chemistry, India                                  | Chemical Sciences  | Nano Energy  | 2023 | 17  | 255 |
| Isotopic noise and amplifying the signal-to-noise ratio in measurement and postdection  | Kumar J., Radochemistry Division, Bhabha                                 | Chemical Sciences  | Physical Review A  | 2023 | 0   | 255 |
| Impact of electron density on the energy loss fine structure (ELFS) on short intervals  | Tripathi J., Food Technology Division, Bhabha                            | Chemical Sciences  | Journal of Biomolecular Structure and Dynamics   | 2023 | 1   | 49  |
| Reconstruction of inclusions in the protoplanetary disk with a multi-wavelength dataset: reworking  | Tripathi J., Food Technology Division, Bhabha                            | Chemical Sciences  | Journal of Biomolecular Structure and Dynamics   | 2023 | 14  | 395 |
| Classification of irreducible integrable modules for Extended Affine Lie Algebras with Coxeter Arrangement  | Sen S., Hanif-Chandra Research Institute, India                          | Mathematical Sciences                                      | Europhysics Letters  | 2023 | 2   | 105 |
| Young's inequality for the Twisted Convolution  | Ratnakumar P., Hanif-Chandra Research Institute                          | Mathematical Sciences                                      | Journal of Fourier Analysis and Applications   | 2023 | 0   | 63  |
| a-attraction inflation: Models and predictions  | Bhatnagar A., Hanif-Chandra Research Institute                           | Mathematical Sciences                                      | Physical Review D  | 2023 | 5   | 393 |
| Uncertainty relations in pre- and postselected systems  | Sahi, Optics and Quantum Information Group                               | Physical Sciences  | Physical Review A  | 2023 | 0   | 296 |
| Measurement device-independent nonlinear entanglement witnesses   | Sen K., Hanif-Chandra Research Institute, India                          | Physical Sciences  | Journal of Physics A: Mathematical and Theoretical   | 2023 | 1   | 167 |
| Modulus of parabolic sheaves and filtered Krammer modules   | Amritanshu S., Department of Mathematics, IIT                            | Mathematical Sciences                                      | Kyoto Journal of Mathematics   | 2023 | 0   | 31  |
| Spread and asymmetry of typical quantum coherence and their inhibition in response to glaucoma  | Biswas G., Department of Physics, IIT                                    | Physical Sciences  | New Journal of Physics   | 2023 | 1   | 204 |
| Defects Tensile Strength Modulus Support Interactions in Copper Supported on Defected Titanium Dioxide Catalysts for Cd2 Reduction  | Begum R., Department of Chemistry  | Physical Sciences  | Journal of the American Chemical Society   | 2023 | 36  | 703 |
| A formal proof of Cohen's theorem for the dimension of the space of modular forms of weight 2   | Tripathi J., Food Technology Division, Bhabha                            | Chemical Sciences  | Annales des Mathématiques du Québec  | 2023 | 0   | 15  |
| Unveiling the physical mechanism of 1-2 transition in the formation of chain-in-motions of ground and first excited states  | Tripathi J., Food Technology Division, Bhabha                            | Chemical Sciences  | New Journal of Physics   | 2023 | 2   | 204 |
| Classification of irreducible integrable modules for Extended Affine Lie Algebras with Coxeter Arrangement  | Tanabata S., Hanif-Chandra Research Institute                            | Mathematical Sciences                                      | Journal of Lie Theory  | 2023 | 1   | 21  |
| Structure and dynamics of 1 atm atom Pt nanoparticle using ANN based isotropic potential  | Dutta A., Department of Chemistry, India                                 | Physical Sciences  | Physical Review D  | 2023 | 10  | 705 |
| Statistical properties of cosmological constant and SU(2) breaking in vacua with respect to Goldstone   | Cicoli M., Department of Physics & Astronomy                             | Physical Sciences  | Physical Review D  | 2023 | 4   | 239 |
| Polymer-based Modified Cathodes for High-Capacity Rechargeable Nonaqueous Li-O <sub>2</sub> Batteries   | Thakur R., Tata Institute of Fundamental Research                        | Physical Sciences  | Physical Review Letters  | 2023 | 1   | 246 |
| Tensor weight structures and t-structures on the derived categories of schemes: [Structures de poids tensorielles et t-structures sur les schémas]  | Devaraj S., Department of Mathematics, IIT                               | Mathematical Sciences                                      | Comptes Rendus Mathématique  | 2023 | 0   | 71  |
| Incorporation of Bimetallic Surface with Carbon Nitride for Advanced Ion Batteries  | Biswas G., Department of Physics, IIT                                    | Physical Sciences  | Small  | 2023 | 1   | 294 |
| Quot schemes and Fourier-Mukai transforms   | Biswas G., Department of Physics, IIT                                    | Physical Sciences  | Complex Manifolds  | 2023 | 0   | 8   |
| Emergent new symmetry from the Higgs shadow   | Abdullah W., Department of Mathematics, Faculty                          | Physical Sciences  | Physical Review D  | 2023 | 1   | 393 |
| Optimal quantum resource generation by coupled trimers immersed in Markovian baths  | Ray J., Hanif-Chandra Research Institute, India                          | Physical Sciences  | Physical Review A  | 2023 | 1   | 296 |
| Strontium substituted sodium titanate as a possible sodium ion conductor: Preliminary studies on preparation, crystalline transformation and sodium ion conductivity  | Balakrishnan S., Materials Chemistry and Metall                          | Chemical Sciences  | Solid State Ionics   | 2023 | 0   | 214 |
| Estimation of coastal tsunami height and arrival time at Kalpakkam  | Sen S., Safety, Quality and Resource Management                          | Physical Sciences  | Indian Journal of Geo-Marine Sciences  | 2023 | 0   | 43  |
| Enhanced sensitivity of partial O-terminated H diamond for H2S detection at room temperature  | Sultana N., Homi Bhabha National Institute                               | Physical Sciences  | Diamond and Related Materials  | 2023 | 0   | 125 |
| A low temperature thin film-based multilayered YST electrochemical oxygen sensor with ITQ as working electrode  | Ravindranath A., Novel Chemical Sensor Section                           | Physical Sciences  | Electrochimica Acta  | 2023 | 0   | 275 |
| The fate of the organometallic clusters formed by lanthanides   | Kumar S., Department of Chemistry  | Physical Sciences  | Journal of Molecular Liquids   | 2023 | 0   | 165 |
| influence of Cd <sub>2</sub> on glass formation, structure and thermal properties of sodium methyl phosphate glass  | Begum R., Department of Chemistry and Metal                              | Physical Sciences  | Journal of Luminescence  | 2023 | 8   | 155 |
| Room temperature electronic emission in highly aligned 2D nanomaterials prepared by glancing angle X-ray ion irradiation  | Saravanan K., UGC-DAE Consortium for Scientific                          | Physical Sciences  | Journal of Luminescence  | 2023 | 0   | 131 |
| Thermochemical investigations in the pseudocubic tellurium system   | Kumar S.S., Materials Chemistry Division, India                          | Physical Sciences  | Journal of Alloys and Compounds  | 2023 | 1   | 214 |
| Experimental Evidence for Quantum Spin Liquid Ground State in Layered Hexagonal Y <sub>2</sub> Cu <sub>10</sub> O <sub>11</sub>   | Saha P., Materials Science Group, India                                  | Physical Sciences  | Journal of Superconductivity and Novel Magnetism   | 2023 | 2   | 58  |
| Nitrile derivative functionalized graphite oxide membranes for efficient separation of strontium from aqueous waste   | Wishwakarma R.X., Homi Bhabha National Institute                         | Physical Sciences  | Colloids and Surfaces A: Physicochemical and Engineering Aspects   | 2023 | 1   | 195 |
| Influence of Anions on the Corrosion Behavior of 90/10 Ferritic Molybdate in Aqueous Media  | Thusharana C., Corrosion Science and Technology                          | Engineering Sciences                                       | Corrosion  | 2023 | 0   | 100 |
| Photoluminescence studies of Li <sub>1+x</sub> Eu <sub>x</sub> La <sub>3-x</sub> Y <sub>2-x</sub> O <sub>12</sub> doped Yttrium-Aluminum-Garnet (YAG) complexes   | Mejia S., Materials Chemistry and Metal Fuel                             | Physical Sciences  | Journal of Luminescence  | 2023 | 1   | 131 |
| Self healing in CdTe nanoribbons: Insights into their structural stability and optical properties using first principles theory   | Chavan K.T., Materials Science Group, India                              | Physical Sciences  | Journal of Physics and Chemistry of Solids   | 2023 | 0   | 121 |
| Thermoluminescence dosimetric characteristics of natural zeolites   | Kumar A.A., Department of Physics, Mahatma                               | Physical Sciences  | Nuclear and Particle Physics Proceedings   | 2023 | 1   | 85  |

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| Numerical analysis of solid phase hydrolysis in a continuous precipitator reactor for plutonium recovery   | Panda S.K., Process, Radiosynthesis Research           | Chemical Sciences    | Chemical Engineering Research and Design   | 2023 | 0  | 125 |
| Effect of cyclic waveforms on cavitation propensity of P91 steel weld joint at 773 K   | Vishal D., Metallurgy and Materials Group, IIT         | Engineering Sciences | Journal of Materials Science   | 2023 | 0  | 214 |
| C02-Ni3 dimer: Dominance of Ni-hole driven bonding over hydrogen bonding   | Chandra S., Materials Chemistry & Metal Fuel           | Chemical Sciences    | Chemical Physics Letters   | 2023 | 2  | 253 |
| Surface mount multilayer ceramic capacitors as optically stimulated luminescent dosimeters   | Panda M., Indira Gandhi Centre for Atomic Res          | Physical Sciences    | Radiation Physics and Chemistry  | 2023 | 1  | 98  |
| Investigation of magnetic susceptibility and heat capacity of antiferromagnetic La2TiCo6   | Saha P., Materials Science Group, India                | Physical Sciences    | Bulletin of Materials Science  | 2023 | 2  | 83  |
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| Studies on the acidification carbonate waste stress for separation of bauxite phosphate and recovery of metal  | Kumar A.A., Department of Physics, Manonmaniam         | Physical Sciences    | Radiophysics Acta  | 2023 | 0  | 73  |
| Thermoluminescence properties of quartz a natural dosimeter from beach sand  | Diveya S., Department of Chemical Engineering, RGPV    | Physical Sciences    | Journal of Radioanalytical and Nuclear Chemistry   | 2023 | 1  | 75  |
| Welding of 3D printed Inconel 625 in a 3D printed base plate   | Muthu S., Reprocessing Group, India                    | Chemical Sciences    | Materials Characterization   | 2023 | 1  | 45  |
| Vertical graphite anode as interface current collector for enhanced energy storage kinetics of hierarchical MOF-nano rods and asymmetric supercapacitors   | Estherina T.J., Department of Biotechnology            | Life Sciences        | Journal of Energy Research   | 2023 | 11 | 105 |
| Prismatic and early-stage blunting microcracks reveal constraints to thermal damage-crack-seawater warming   | Kumar P., Department of Metallurgy and Materials       | Engineering Sciences | Ecotoxicology and Environmental Safety   | 2023 | 1  | 180 |
| Influence of thermomechanical processing and tempering temperature on tensile flow and work hardening behaviour of India specific steels   | Boopathirangan M., Materials Chemistry and Met         | Chemical Sciences    | Materials Science and Engineering A  | 2023 | 0  | 277 |
| Pyrohydrolytic separation of fluoride and chlorine in U-Pt and U-Pt-Zr metallic fuel through oxidation accompanied by estimation   | Hath U., IUG-EAE Consortium for Scientific             | Physical Sciences    | Journal of Radionuclides   | 2023 | 3  | 73  |
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| A simulation study on the reactivation effect of land-sea breeze flows on atmospheric dispersion of airborne releases in Southeast Coast   | Gayathi V., Materials Science Group, India             | Physical Sciences    | Scientific Reports   | 2023 | 4  | 315 |
| Microstructures and Creep Properties of Type 316LN Stainless Steel Weld joints   | Pawar A.R., Materials Development and Tech             | Engineering Sciences | Meteorology and Atmospheric Physics  | 2023 | 1  | 73  |
| Effect of reverse voltage on alpha spectra of pre conditioned Si PIN diodes deployed in vacuum/ambient environment   | Karveula V.R., Materials Science Group, India          | Physical Sciences    | Metallurgical and Materials Transactions A: Physical Metallurgy and Materials Science        | 2023 | 1  | 105 |
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| Experimental Study and Numerical Simulation of Y2O3 Coatings Deposited by Plasma Spraying At Different Torch Powers  | Madhura B., Corrosion Science and Technology           | Chemical Sciences    | Materials Today Communications   | 2023 | 0  | 53  |
| Effect of additive (D) and dopants (Pd & S) on the depth of migration of lighter lamellarites (Nd & Cu) on Cu-bearing metal alloy intermetallics   | Janardhanan N., Indira Gandhi Centre for Atoms         | Chemical Sciences    | Journal of Thermal Spray Technology  | 2023 | 0  | 100 |
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| Response of Hydrogen to Heterogeneous Particles to Ionizing Ions in Aqueous Solutions  |  |                      | Journal of Analytical Atomic Spectrometry  | 2023 | 1  | 129 |
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| Generation of allowable stress for indigenously developed 30CrNiMo8 Stainless steel  | Ganesh Kumar J., Metallurgy and Materials G            | Engineering Sciences | Applied Physics A: Materials Science and Processing  | 2023 | 1  | 164 |
| Oxidation behavior of the base-superalloy E317 in simulated Advanced Ultra Supercritical (AUSC) steam  | Guha B., Department of Metallurgical Engin             | Chemical Sciences    | International Journal of Pressure Vessels and Piping   | 2023 | 1  | 91  |
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| A finite volume method based multi-group neutron diffusion model for space-time nuclear reactor kinetics problems in R2 geometry   | Rao R.K., Indira Gandhi Centre for Atomic Res          | Engineering Sciences | Journal of Molecular Liquids   | 2023 | 1  | 168 |
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| Adsorption behavior of Ruthenium in tri-butyl phosphine functionalized multi walled carbon nanotubes   | Mohanty B.N., Health AndRustodial Safety Div           | Chemical Sciences    | Diamond and Related Materials  | 2023 | 1  | 129 |
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| Microstructural Characterization of Novel D202 Dispersions Strengthened by TiC Particles by Plasma Spraying  | Manohar M.A.S., Materials Characteriz                  | Chemical Sciences    | Journal of Advanced Engineering and Performance  | 2023 | 0  | 246 |
| Numerical Evaluation of liquid sodium flow boiling at 7 wt % hexagonal subassemblies toward few hundred scenario in SFR  | Aditya R., Department of Chemical Engineering          | Engineering Sciences | Journal of Materials Engineering and Performance   | 2023 | 0  | 246 |
| Accurate Evaluation of Dispersions Energies in Coupled Cluster Level to understand the Substitution Effects in Amorph and Eutectic   | Praveen S., Department of Chemical Engineering         | Chemical Sciences    | Journal of Advanced Engineering and Performance  | 2023 | 0  | 246 |
| The Tribocompaction Behavior and its Mechanism of Type 304, Stainless Steel in Nitric Acid Media   | Padhy B.R., Environmental Protection Institute         | Chemical Sciences    | Journal of Applied Physics   | 2023 | 0  | 104 |
| Modeling and Validation Studies on Solidification of Sodium Nitrate and LiCl-KCl   | Sujan D., Indira Gandhi Centre for Atomic Res          | Chemical Sciences    | IJC Advances   | 2023 | 1  | 210 |
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| Investigating algebraic topological method for solving 3D Laplace equation in electrostatic boundary value problems  | Arun A.D., Homi Bhabha National Institute              | Physical Sciences    | Journal of Chemistry   | 2023 | 0  | 129 |
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| Synergistically performing graphite-coupled other composite membrane structures for efficient strontium separation from aqueous  | Wishwakarma R.K., Homi Bhabha National Inst            | Chemical Sciences    | Journal of Environmental Chemical Engineering  | 2023 | 1  | 127 |
| Numerical Simulation of Horizontal Convective Rolls Over a Tropical Coastal Site Using WRF: Sensitivity to Land Surface Physics  | Padhy B.R., Environmental Protection Institute         | Chemical Sciences    | Pure and Applied Geophysics  | 2023 | 0  | 104 |
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| Effect of oxygen on Pt/Cd2O4 Structure, Thermopropensity, Photoemission, Magnetic and x-Ray Spectroscopic Studies  | John I., Materials Chemistry & Metal Fuel C            | Chemical Sciences    | Journal of the Electrochemical Society   | 2023 | 1  | 310 |
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| Synergistically performing graphite-coupled other composite membrane structures for efficient strontium separation from aqueous  | Wishwakarma R.K., Homi Bhabha National Inst            | Chemical Sciences    | Review of Scientific Instruments   | 2023 | 0  | 185 |
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| Creep Performance and Microstructural Characterization of Electron Beam Welded 316LN-1/2in Grade 91 Steel Dissimilar joint   | Abhirame S., Materials Science Group, India            | Engineering Sciences | Superconducting Science and Technology   | 2023 | 0  | 118 |
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| Competition between full slip and twinning in BCC-Fe: Effect of preloaded stress and temperature   | Rajan M., Department of Physics, Sri Sankar            | Physical Sciences    | Materials Science in Semiconductor Processing  | 2023 | 4  | 83  |
| Study of atmospheric dispersion of radioactive effluents under condition of coastal station Kalpakkam for radiological impact  | Kundu D., Environmental Protection Inst                | Chemical Sciences    | Metallurgy and Atmospheric Physics   | 2023 | 0  | 73  |
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| High contrast corrosion mapping of dissimilar metal weld joints using alternating current scanning electron microscopy: A case study   | Patil S.K., Homi Bhabha National Inst, Kalyan          | Chemical Sciences    | Ceramics International   | 2023 | 1  | 155 |
| Studies on Al implanted semi insulating 6H-SiC   | Patil S.K., Metal Alloys and Processing Div            | Chemical Sciences    | Journal of Nuclear Engineering and Design  | 2023 | 0  | 175 |
| Thermochromic probe imbedded polymer monolith for detection of sodium iodide in aqueous solution   | Srinivasan P., Department of Nuclear Phys              | Chemical Sciences    | Journal of Phase Equilibria and Diffusion  | 2023 | 1  | 61  |
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| Estimation of neutron source strength for external source subassembly in PFRB using GEANT4   | Chababert Y., Reactor Sealing and Data Co              | Engineering Sciences | Nuclear and Particle Physics Proceedings   | 2023 | 0  | 80  |
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| Performance of post-synthetically modified UO2-MOF for extraction of Pd(II) from aqueous solutions: experimental and theoretical   | Saha P., Materials Chemistry and Met                   | Chemical Sciences    | Applied Physics A: Materials Science and Processing  | 2023 | 1  | 164 |
| Reversal of ball milling induced Y2O3 nano-crystals during in-situ annealing   | Mudappa M.K., Surface and Sensors Div                  | Chemical Sciences    | Physical Review B  | 2023 | 0  | 497 |
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| Studies on Al implanted semi insulating 6H-SiC   | Patil S.K., Metal Alloys and Processing Div            | Chemical Sciences    | Corrosion Science  | 2023 | 1  | 172 |
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| Enhanced microleakage of ZnO/ZnO by heteroepitaxy on solid substrates  | Karanth V.V., Indira Gandhi Centre for Atoms           | Chemical Sciences    | Journal of Nuclear Engineering and Design  | 2023 | 0  | 123 |
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| Development of thermodynamic properties of stainless steel type D 9 and D 91 using Kusner's EoS  | Thiruvaduthai S.C., Department of Chemical Engin       | Chemical Sciences    | Thermochimica Acta   | 2023 | 0  | 156 |
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| Development and validation of an empirical model to determine swelling correction factors of long lived gamma emitters radiocarbon, radon and tritium  | Margret M., Environmental Assessment Div               | Chemical Sciences    | Nuclear and Particle Physics Proceedings   | 2023 | 0  | 80  |
| Enhanced light scattering using a Two Dimensional Quesnelia Decolorata 3D Printed Nano Inspired Bioactive Architect  | Patil S.K., Department of Chemical Engin               | Chemical Sciences    | Journal of Nuclear Engineering and Design  | 2023 | 2  | 133 |
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| An inherently fast token rate of 1000 Hz and its accuracy analysis using particle swarm optimization   | Patil S.K., Department of Chemical Engin               | Chemical Sciences    | Progress in Nuclear Energy   | 2023 | 2  | 82  |
| Development of a novel data fusion technique for improving the quality of images of 3D printed objects   | Patil S.K., Department of Chemical Engin               | Chemical Sciences    | Journal of Nuclear Engineering and Design  | 2023 | 1  | 25  |
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| Non-isothermal crystallization kinetics of sodium sulphite glassy phases   | Senapati A., Materials Chemistry and Metal Fuel        | Chemical Sciences    | Journal of Non-Crystalline Solids  | 2023 | 7  | 164 |
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| A Comparative Study on the Microstructural Evolution and Mechanical Behavior of 316LN Stainless Steel Welds Made Using Hot-Wire TIG  | Pawar A.R., Materials Development and Tech             | Engineering Sciences | Journal of Materials Engineering and Performance   | 2023 | 3  | 84  |
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| Effect of thermomechanical processing and temperature on microstructure and tensile properties of India specific reduced austenitic stainless steel  | Anil Kumar P., Department of Metallurgical Engin       | Chemical Sciences    | Journal of Nuclear Materials   | 2023 | 6  | 166 |
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| Amino-functionalized graphene oxide membranes for efficient separation of Sr <sup>2+</sup> ions  | Vishwakarma R.K., Homi Bhabha National Inst            | Chemical Sciences    | Journal of Water Process Engineering   | 2023 | 4  | 89  |
| Bind-free vertical graphene nanosheets templated Nd perovskite for high performance supercapacitor applications  | Vishwakarma R.K., Homi Bhabha National Inst            | Chemical Sciences    | Materials, Chemical Sciences   | 2023 | 21 | 215 |
| Effect of microstructure evolution on the mechanical properties of 316LN   |  |                      | Journal of Phase Equilibria and Diffusion  | 2023 | 0  | 61  |
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| Infrared Selective Room Temperature Detection of NiSn4 NdOxUgO4 Supported WS2Heterojunctions   | Manoharan M., Advanced Materials and Device  | Physical Sciences   | ACS Applied Materials and Interfaces  | 2023 | 12  | 284 |
| Antimicrobial property of polyvinyl alcohol films containing extracts of Lawsonia inermis and Tamarindus indica  | Jayakumar S., SMART Materials Section, Physical Sciences   | Journal of Polymer Research   | 2023  | 2    | 70  |     |
| Effect of addition of Nb on phase stability of equiaxed CrFeMn alloy   | Sakurama A., Hoshi University  | Materials Chemistry and Physics   | Journal of Materials Chemistry and Physics  | 2023 | 3   | 177 |
| Characterization of the microstructure and mechanical properties of activated tungsten inert gas welding and hot wire tungsten inert gas arc   | Gunny K., Department of Mechanical Engineering   | Proceedings of the Institution of Mechanical Engineers, Part L: Journal of Materials: Design and Processing | 2023  | 1    | 47  |     |
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| Collective stabilization through n-π <sup>π</sup> and P-P <sub>π</sub> phosphorous bonding with cooperative halogen and hydrogen bonding in PC13D  | Burgapudi S., Materials Chemistry and Metal  | Chemical Sciences   | Journal of Molecular Structure  | 2023 | 1   | 123 |
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| On Ibara's conjecture for Euler-Knaster constants   | Dixit A., Institute of Mathematical Sciences  | Acta Arithmetica   | 2023                           | 1    | 43  |     |
| Composite Fermion Pairing Induced by Landau Level Mixing  | Zhao T., Institute of Physics, Chinese Academy of Sciences  | Physical Review Letters  | 2023                           | 2    | 705 |     |
| Computational prediction of phytochemical inhibitors based on the cap-binding domain of Rift Valley fever virus   | Muruthiralan L., Computational Biology Group, IISER Thiruvananthapuram                                | Molecular Diversity  | 2023                           | 0    | 63  |     |
| FURTHER EXPLORING C-CLODURE FOR PFT ALGORITHMS AND KERNELS FOR DOMINATION PROBLEMS*   | Kaneshi T., National University of Singapore, Singapore   | SIAM Journal on Discrete Mathematics   | 2023                           | 0    | 69  |     |
| Phases of the hard-plane lattice gas on a three-dimensional cubic lattice   | Mandal D., Department of Physics, University of Calicut, India  | Physical Sciences  | Physical Review E              | 2023 | 1   | 323 |
| Improvement in quantum communication using quantum switch   | Mitra A., Optics and Quantum Information Group, IIT Madras  | Physica Scripta  | 2023                           | 2    | 97  |     |
| On linear independence of Dirichlet L values  | Gun S., The Institute of Mathematical Sciences  | Journal of Number Theory   | 2023                           | 0    | 50  |     |
| Leveraging developmental landscapes for model selection in Boolean gene regulatory networks   | Babujiyan A., The Institute of Mathematical Sciences  | Briefings in Bioinformatics  | 2023                           | 2    | 142 |     |
| Interaction of magnetic field with the carrier density in Monolayer Graphene  | Elayavalli S., Department of Applied Physics, IIT Madras  | Physical Review Letters  | 2023                           | 0    | 705 |     |
| Weak competition in fractonic behavior of two phases in monolayer graphene  | Brenig J., Department of Applied Physics, IIT Madras  | Physical Review E  | 2023                           | 2    | 125 |     |
| Simultaneous Convexity Closure of a finite group of $\mathbb{F}_q$ 's   | Kaur D., Indian Institute of Technology Delhi   | Journal of the Ramanujan Mathematical Society                                    | 2023                           | 0    | 14  |     |
| The Borelized Filtration for Affine Kac-Moody Algebras and Representations of W-algebras  | Gurarie D., School of Mathematics, Georgia Institute of Technology                                    | Algebras and Representation Theory   | 2023                           | 0    | 31  |     |
| Counting ideals in $\mathfrak{sl}_n$ in classical type  | Gun S., Institute of Mathematical Sciences, Chennai   | Journal of Number Theory   | 2023                           | 1    | 56  |     |
| Residue pattern for infinitely many primes  | Karthick Babu C.G., Department of Mathematics, Anna University  | International Journal of Number Theory   | 2023                           | 0    | 26  |     |
| On the optimality of pseudo-polynomial algorithms for integer programming   | Fonseca F.V., Department of Informatics, University of Coimbra  | Mathematical Programming   | 2023                           | 2    | 143 |     |
| Effectiveness theory for baryogenesis with a Majorana fermion pair coupled to quarks  | Gopakrishna S., Institute of Mathematical Sciences  | Physical Review D  | 2023                           | 0    | 393 |     |
| Discrepancies in Cosmology and the Violation of Slow-Roll Inflationary Dynamics   | Antony A., The Institute of Mathematical Sciences   | Physical Review Letters  | 2023                           | 5    | 705 |     |
| Bounded gaps between product of two primes in imaginary quadratic number fields   | Darbari D., Department of Applied Physics, IIT Madras   | Research in Number Theory  | 2023                           | 0    | 10  |     |
| Precision of morphogen-driven tissue patterning during development is enhanced through contact-mediated cellular interactions   | Kuyamkulam C., Institute of Mathematical Sciences   | Physical Review E  | 2023                           | 0    | 323 |     |
| Machine Learning Models for Prediction of Xenobiotic Chemicals with High Propensity to Transfer into Human Milk   | Vijayashivam S., The Institute of Mathematical Sciences   | ACS Omega  | 2023                           | 0    | 98  |     |
| Universal Framework for Reactor Age under Restart   | Kumar A., Department of Physics, Indian Institute of Technology Madras                                | Physical Review Letters  | 2023                           | 12   | 700 |     |
| Changes in the European Union definition for endocrine disruptors: how many molecules remain a cause for concern? The example of oestrogenic activity                                   | Roger C., Université Lyon 1, Université UMR 5073, Villeurbanne, France                                | Frontiers in Public Health   | 2023                           | 1    | 101 |     |
| Monoscopic theory of absorption kinetics  | Sohar V., School of Chemistry, University of Bristol  | Physical Sciences  | Journal of Chemical Physics    | 2023 | 9   | 395 |
| Monoclonal antibodies against SARS-CoV-2 reveals tRNA5'3' as a coordinator of iron homeostasis in Mycobacterium tuberculosis  | Devi M., Bogoliubov Laboratory of Theoretical Physics   | Life Sciences  | Life Sciences                  | 2023 | 1   | 204 |
| In vitro characterization of TnfrSF23 in AMPK as a dephosphorylation site for the protein tyrosine phosphatase PT-PEST  | Monakhova A., Department of Biochemistry, IIT Madras  | Proteins: Structure, Function and Bioinformatics                                 | 2023                           | 0    | 205 |     |
| Boolean algorithm in coherent quantum fields  | Brinca A., Institute of Mathematical Sciences   | Physical Sciences  | Frontiers in Chemical Physics  | 2023 | 1   | 28  |
| Unassisted and Efficient Acoustic/Landmarks Separation with Pillar/Distance-Based Proximity-Like Lounds in Ionic Liquids  | Car A., Key Laboratory of Radiation Physics and Chemical Sciences                                     | Industrial and Engineering Chemistry Research                                    | 2023                           | 7    | 225 |     |
| EPEE: Creation and analysis of an ECGP Frequency Expression Knowledgebase   | Natarajan A., Indian Institute of Science Education and Research, Thiruvananthapuram                  | Computational Biology and Chemistry  | 2023                           | 0    | 68  |     |
| Resetting-mediated navigation of an active Brownian searcher in a homogeneous topography  | Sar K., Physics and Applied Mathematics Unit, Indian Statistical Institute                            | Soft Matter  | 2023                           | 6    | 203 |     |
| Structural parameterizations of budgeted graph coloring   | Bandyopadhyay S., National Institute of Science Education and Research, Berhampur                     | Theoretical Computer Science   | 2023                           | 0    | 130 |     |
| Transport of synaptic vesicles is modulated by vesicular reversals and stationary cargo clusters  | Vasudevan S., Department of Biological Sciences, IISER Mohali   | Journal of Cell Science  | 2023                           | 2    | 308 |     |
| New order parameter for the Higgs transition in SU(2) Higgs theory  | Devi M., Bogoliubov Laboratory of Theoretical Physics   | Physical Review D  | 2023                           | 0    | 393 |     |
| Efficacy of information transmission in cellular communication  | Sarkar S., Center for Nonlinear Studies, The Institute of Mathematical Sciences                       | Physical Review Research   | 2023                           | 2    | 69  |     |
| Homotopy type of the nilpotent orbits in classical Lie algebras   | Blawie L., School of Mathematics, Tata Institute of Fundamental Research                              | Kyoto Journal of Mathematics   | 2023                           | 1    | 31  |     |
| Discrete Ricci curvatures capture age-related changes in human brain functional connectivity networks   | Acharya S., Institute of Mathematical Sciences  | Frontiers in Aging Neuroscience  | 2023                           | 3    | 120 |     |
| Magnetic anisotropy and magnetocrystalline effect in Gd <sub>2</sub> MnMo <sub>6</sub> thin films   | Ghosh A., Department of Physics, Indian Institute of Technology Madras                                | Physical Review B  | 2023                           | 1    | 497 |     |
| Measurements of azimuthal anisotropies at forward and backward rapidities with pions in high multiplicity p-Pb collisions at sNN=8.3 TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 3    | 283 |     |
| Performance of the ALICE Electromagnetic Calorimeter  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of Instrumentation   | 2023                           | 1    | 48  |     |
| Impact deployment of a multi-layered approach for jet energy scale correction in p-Pb and Pb-Pb collisions at sNN=5.02 TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of High Energy Physics   | 2023                           | 2    | 256 |     |
| How curvature impacts energy and phase separation in active membranes?  | Sinha A., Institute of Physics, Sachivalaya Marg, New Delhi   | Soft Matter  | 2023                           | 1    | 201 |     |
| Measurement of non-prompt D meson elliptic flow in p-Pb collisions at sNN=5.02 TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | European Physical Journal C  | 2023                           | 2    | 180 |     |
| Measurement of the production of jetlike particles in p-Pb collisions at sNN=5.02 TeV   | Acharya S., Variable Energy Cyclotron Centre, Physical Sciences                                       | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 4    | 283 |     |
| First measurement of prompt and non-prompt D+ vector meson alignment in pp collisions at s=13 TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 1    | 283 |     |
| Measurement of the Lifetime and A Separation Energy of H atoms  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review Letters  | 2023                           | 4    | 708 |     |
| Accessing the strong interaction between a baryons and charged kaons with the femtoscopic technique at the LHC  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 10   | 283 |     |
| Multiplicity dependence of charged particle production in pp, p-Pb, Xe-Xe and Pb-Pb collisions at the LHC   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 8    | 283 |     |
| Present and future constraints on flavor-dependent long-range interactions of high-energy astrophysical neutrinos   | Agrawalla S.K., Institute of Physics, Sachivalaya Marg, New Delhi                                     | Journal of High Energy Physics   | 2023                           | 0    | 254 |     |
| Iontronic WS2 memristors for bit storage and neuromorphic adaptation at high temperature  | Maths S.K., Laboratory for Low Dimensional Materials  | IOP Materials and Applications   | 2023                           | 12   | 52  |     |
| Measurement of beauty-strange meson production in p-Pb collisions at sNN=0.7TeV via non-prompt D <sup>0</sup> mesons  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 1    | 283 |     |
| Exclusive and dissociative p/d photoproduction, and exclusive dimuon production, in p-Pb collisions at sNN=16 TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review D  | 2023                           | 0    | 393 |     |
| Investigating the effect of H+ ion-irradiation on layered $\lambda$ -Mo <sub>3</sub> flakes by defect engineering   | Acharya S., Department of Physics, Indian Institute of Technology Madras                              | Applied Physics Letters  | 2023                           | 14   | 479 |     |
| Search for Corrections of High-Energy Neutrinos Detected in IceCube with Radio-Bright AGN and Gamma-Ray Emission from Blazars   | Acharya S., Department of Physics, Indian Institute of Technology Madras                              | Astrophysical Journal  | 2023                           | 14   | 479 |     |
| Investigation of Direct Drive Implosion and Barrier study in weak magnetofluid Turbulence   | Prajapati A., Department of Physics, NISTI, Raipur  | Proceedings of the Indian Academy of Sciences Section A - Physical Sciences      | 2023                           | 0    | 25  |     |
| Power-dependent long-range neutrino interactions in DUNE, T2H2, alone or together,到底发现什么?   | Singh B., Institute of Physics, Sachivalaya Marg, New Delhi   | Journal of High Energy Physics   | 2023                           | 1    | 256 |     |
| Observation of sequential events of the high-energy atmospheric neutrinos with IceCube  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 6    | 283 |     |
| Spontaneous Hall Effect in the magnetic Weyl Semimetal Ta <sub>2</sub> Ti <sub>3</sub> thin film  | Ghosh M., Department of Physics, Indian Institute of Technology Madras                                | Applied Physics Letters  | 2023                           | 0    | 478 |     |
| Thermally Driven Multivalent Non-Volatile Memory with Monolayer MoS <sub>2</sub> for Brain-Inspired Artificial Learning   | Maths S.K., Laboratory for Low Dimensional Materials  | ACS Applied Materials and Interfaces   | 2023                           | 15   | 284 |     |
| Inclusion and multiplicity dependence of production of electrons from heavy-hadron decay in pp and p-Pb collisions  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of High Energy Physics   | 2023                           | 2    | 256 |     |
| Azimuthal correlations of heavy-hadron decay electrons with charged particles in pp and p-Pb collisions at sNN = 5.02 TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | European Physical Journal C  | 2023                           | 2    | 193 |     |
| System-size dependence of the charged-particle pseudorapidity density at sNN=5.02TeV for pp, p-Pb and Pb-Pb collisions  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 3    | 283 |     |
| Measurement of the non-prompt D <sup>+</sup> fraction as a function of multiplicity in proton-proton collisions at $\sqrt{s}=5.02$ TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of High Energy Physics   | 2023                           | 0    | 256 |     |
| High entropy alloying strategy for accomplishing quantum nanowires grafted carbon towards exceptional high-performance overall  | Raj A., Material Research Centre, Indian Institute of Technology Madras                               | Materials Horizons   | 2023                           | 8    | 131 |     |
| 0.9980 production in inelastic pp collisions at $\sqrt{s}=5.02$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 3    | 283 |     |
| Tree see also $t\bar{t}$ collider   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 0    | 283 |     |
| Engineering anomalous Hopf Majorana modes and their time evolution in a helical Shiba chain   | Maharathy S., Institut für Physik, Bhubaneswar  | Physical Sciences  | Physical Review B              | 2023 | 3   | 497 |
| Chiral symmetry breaking in the chiral magnetic wave in the LHC   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review B  | 2023                           | 0    | 256 |     |
| Turning of magnetic frustration and emergence of a magnetocaloric transition in Mn <sub>3</sub> C <sub>0.02</sub> O <sub>2</sub> Cl <sub>0.4</sub>                                      | Dutta A., Department of Physics, Indian Institute of Technology Madras                                | Physical Review B  | 2023                           | 1    | 497 |     |
| Bidependent Methane Series Acid-Based Ionization-Dissociation, Estimation, and Recovery: Toward Development of a Simplified Scheme  | Pattakkal J.A., Department of Physics, Sakaha S.K., Institute of Physics, Sachivalaya Marg, New Delhi | Industrial and Engineering Chemistry Research                                    | 2023                           | 0    | 225 |     |
| Surface and property changes of newly synthesized 207,209,Ti <sub>208</sub> isotopes for various $\alpha$ -decay chains   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Pragmati - Journal of Physics  | 2023                           | 0    | 61  |     |
| Evaluation of planar silicon solar panels with iceCube  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 1    | 238 |     |
| Enhancing sensitivity to leptonic CP violation using complementary along DUNE, T2H2, and T2K  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of High Energy Physics   | 2023                           | 2    | 256 |     |
| Measurement of inclusive J/ψ pair production cross section in pp collisions at $\sqrt{s}=13$ TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review C  | 2023                           | 2    | 238 |     |
| Data driven precision determination of the material budget in ALICE   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of Instrumentation   | 2023                           | 1    | 88  |     |
| Pseudorapidity densities of charged particles with transverse momentum thresholds in pp collisions at $\sqrt{s}=5.02$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review D  | 2023                           | 0    | 393 |     |
| Higher-order corrections between different modes of two flow amplitudes in p-Pb collisions at sNN = 5.02 TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review C  | 2023                           | 1    | 238 |     |
| Structure and reaction studies of Z=22 isotopes using non-relativistic and relativistic mean-field formalisms   | Pataiak A.J., Department of Physics, Sakaha S.K., Institute of Physics, Sachivalaya Marg, New Delhi   | Pragmati - Journal of Physics  | 2023                           | 0    | 61  |     |
| Measurement of electrons from heavy-hadron decays in pp and Pb-Pb collisions at $\sqrt{s}=5.02$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 1    | 238 |     |
| Probing the chiral magnetic wave with charge-dependent flow measurements in p-Pb collisions at the LHC  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of High Energy Physics   | 2023                           | 2    | 256 |     |
| Search for neutrino lines from dark matter annihilation and decay with IceCube  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review D  | 2023                           | 0    | 393 |     |
| Crystal structure and magnetic properties of the spin-12 frustrated two-leg ladder compounds Cu(II) Cu <sub>2</sub> X <sub>3</sub> (ClO <sub>4</sub> ) <sub>2</sub> and Br <sub>2</sub> | Biswal P., Institute of Physics, Bhubaneswar  | Physical Sciences  | Physical Review B              | 2023 | 1   | 497 |
| Influence of density matrix on magnetized neutron stars   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review D  | 2023                           | 0    | 393 |     |
| MRI plume scenario in the massive scalar background and relevant QPE  | Parmar V., School of Physics and Materials Sciences, IIT Madras                                       | Physical Sciences  | Physical Review D              | 2023 | 1   | 235 |
| First measurement of the $\Lambda\bar{\Lambda}$ interaction in proton-antiproton collisions at the LHC  | Acharya S., National Institute of Science Education and Research, Berhampur                           | Physical Sciences  | Journal of High Energy Physics | 2023 | 7   | 256 |
| Measurements of Groomed Jet Substructure of Charmed Jets Tagged By D0 Mesons in Proton-Proton Collisions at $\sqrt{s}=13$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 10   | 283 |     |
| Elliptic flow of charged particles at midrapidity relative to the spectator plane in p-Pb and Xe-Xe collisions  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review Letters  | 2023                           | 2    | 708 |     |
| Study of flavor dependence of the baryon-to-meson ratio in proton-proton collisions at $\sqrt{s}=13$ TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 1    | 283 |     |
| Charm production and fragmentation fractions at midrapidity in pp collisions at $\sqrt{s}=13$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review D  | 2023                           | 2    | 393 |     |
| Graded oxide layer for high performing nanoscale synaptic emulator  | Sudheer, ICPTT, Institute of Physics Research, Bhubaneswar  | Physical Sciences  | Physical Review B              | 2023 | 1   | 497 |
| Evidence of weak linear ferromagnetism and Griffiths like behavior in MnFeTe  | Dara H.K., Institute of Physics Bhubaneswar   | Physical Sciences  | Applied Surface Science        | 2023 | 0   | 233 |
| First measurement of D <sup>0</sup> production in pp collisions at $\sqrt{s}=5.02$ TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of Physics Condensed Matter  | 2023                           | 2    | 253 |     |
| Study of charged particle production at high p <sub>T</sub> using event topology in pp, p-Pb and Pb-Pb collisions at sNN=5.02 TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 3    | 283 |     |
| Study of the p-p <sub>T</sub> and p <sub>T</sub> -p <sub>T</sub> dynamics using the femtoscopic technique   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | European Physical Journal A  | 2023                           | 0    | 109 |     |
| Digital and analog resistive memory as a function of the negative transverse activity classifier in pp collisions at $\sqrt{s}=13$ TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of High Energy Physics   | 2023                           | 2    | 256 |     |
| Production of pions, kaons, and protons as a function of the negative transverse activity classifier in p-Pb collisions at $\sqrt{s}=5.02$ TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 1    | 256 |     |
| All like signs and mixed signs in p-Pb and Pb-Pb collisions at $\sqrt{s}=5.02$ TeV in pT range 20-40 GeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | European Physical Journal A  | 2023                           | 0    | 180 |     |
| Towards the understanding of the physics of three-body resonance for p-Pb and p <sub>T</sub> -p <sub>T</sub>  | Acharya S., CERN/IN2P3, Université Clermont Auvergne, CNRS, Physical Sciences                         | European Physical Journal A  | 2023                           | 8    | 100 |     |
| Unusual structural rearrangement and superconductivity in infinite layer cuprate superlattices  | Samal D., Institute of Physics, Bhubaneswar   | Physical Sciences  | Physical Review Materials      | 2023 | 0   | 46  |
| Light (antiproton) production in p-Pb collisions at $\sqrt{s}=5.02$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review C  | 2023                           | 9    | 238 |     |
| Measurement of inclusive and leading subfragmentation in pp and Pb-Pb collisions at $\sqrt{s}=5.02$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of High Energy Physics   | 2023                           | 4    | 256 |     |
| Neutron emission in ultrarelativistic Pb-Pb collisions at $\sqrt{s}=5.02$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review C  | 2023                           | 3    | 238 |     |
| Discriminating between Lorentz violation and non-standard interactions using core-passing atmospheric neutrinos at IND-ICL  | Sahoo S., Institute of Physics, Sachivalaya Marg, New Delhi   | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics | 2023                           | 4    | 283 |     |
| K+89/20 and K+100/20 production in pp collisions at $\sqrt{s}=16$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review C  | 2023                           | 4    | 238 |     |
| Constraining the N <sub>2</sub> Coulomb channel dynamics using femtoscopy correlations at the LHC   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review C  | 2023                           | 0    | 256 |     |
| Constraining the K <sup>-</sup> N <sub>2</sub> Coulomb channel dynamics using femtoscopy correlations at the LHC  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of High Energy Physics   | 2023                           | 3    | 256 |     |
| Measurements of the pion-pair jet radius and momentum splitting properties in hadronic grooming algorithms in pp  | Acharya S., Institute of Physics, Bhubaneswar   | Physical Sciences  | Journal of High Energy Physics | 2023 | 2   | 256 |
| Multiple higher-order topological phases with even and odd pairs of zero-energy corner modes in a 3symmetry broken model  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | EPL  | 2023                           | 5    | 174 |     |
| Underlying-event properties in pp and p-Pb collisions at $\sqrt{s}=5.02$ TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of High Energy Physics   | 2023                           | 2    | 256 |     |
| Final measurement of the p-p <sub>T</sub> distribution in p-Pb collisions at $\sqrt{s}=5.02$ TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review C  | 2023                           | 9    | 238 |     |
| Impact of $\Lambda\bar{\Lambda}$ and $\Lambda\Lambda$ on the underlying event distributions in p <sub>T</sub> and p <sub>T</sub> -p <sub>T</sub>  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review Letters  | 2023                           | 3    | 256 |     |
| Theoretical studies on structural properties and decay modes of 284-379-119 isotopes  | Rathor A.A., Department of Physics, Aligarh Muslim University   | Physical Sciences  | European Physical Journal Plus | 2023 | 0   | 84  |
| Evaluation of H <sub>2</sub> N <sub>2</sub> as a planar p-sensor for the CMS Phase-2 upgrade  | Singh A., Materials Research Centre, Indian Institute of Technology Madras                            | Physical Sciences  | European Physical Journal Plus | 2023 | 3   | 181 |
| Measurement of atmospheric neutrino moving with improved IceCube DeepCore calibration and data processing   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review C  | 2023                           | 15   | 393 |     |
| Constraining hadronization mechanism with $\pi/\rho$ production ratios in pp-Pb collisions at $\sqrt{s}=5.02$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Review Letters  | 2023                           | 22   | 283 |     |
| Constraining the K <sup>-</sup> N <sub>2</sub> Coulomb channel dynamics using femtoscopy correlations at the LHC  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | European Physical Journal C  | 2023                           | 16   | 193 |     |
| Enhanced Deuteron Coalescence Probability in jets   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Physical Sciences  | Physical Review Letters        | 2023 | 9   | 705 |
| E <sub>L</sub> (138) x resonance production in Pb-Pb collisions at $\sqrt{s}=5.02$ TeV  | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | European Physical Journal C  | 2023                           | 1    | 193 |     |
| Measurement of the angle between jet axes in pp collisions at $\sqrt{s}=5.02$ TeV   | Acharya S., Université Clermont Auvergne, CNRS, Physical Sciences                                     | Journal of High Energy Physics   | 2023                           | 1    | 256 |     |

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| Observation of flow angle and flow magnitude fluctuations in Pb-Pb collisions at sNN = 5.02 TeV at the CERN Large Hadron Collider   | Acharya S., Université Clermont Auvergne, CN                      | Physical Sciences    | Physical Review C  | 2023 | 3  | 238 |
| Measurement of the $\Lambda/\bar{\Lambda}$ Polarization with Respect to the Event Plane in Pb-Pb Collisions at the LHC  | Acharya S., Université Clermont Auvergne, CN                      | Physical Sciences    | Physical Review Letters  | 2023 | 17 | 705 |
| First Measurement of Antideuterium Number Fluctuations at Energies Available at the Large Hadron Collider   | Acharya S., Université Clermont Auvergne, CN                      | Physical Sciences    | Physical Review Letters  | 2023 | 2  | 706 |
| Electron production at midrapidity at low transverse momentum in peripheral and semi-peripheral Pb-Pb collisions at $\sqrt{s_{NN}} = 5.02$ TeV  | Acharya S., Department of Physics, Loyola University Chicago, CN  | Physical Sciences    | Journal of High Energy Physics   | 2023 | 4  | 256 |
| A Search for Coincident Neutrino Emission from Fast Radio Bursts with Seven Years of IceCube Cascade Events   | Acharya S., Université Clermont Auvergne, CN                      | Physical Sciences    | Astrophysical Journal  | 2023 | 3  | 479 |
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| Constraining the surface curvature of an anisotropic neutron star   | Das H.C., Institute of Physics, Sachivalaya Maji                  | Physical Sciences    | Physical Review D  | 2023 | 4  | 393 |
| Combining experimental and modeling approaches to understand the expansion of lattice parameter of epitaxial SrTiO <sub>3</sub> xTaO <sub>3</sub> ( $x = 0-0.5$ )   | Ayala M., Department of Physics, School of Natl                   | Physical Sciences    | Computational Materials Science  | 2023 | 0  | 145 |
| Effect of Curvature in Cetra Muon Beam (CMB) interaction on the structure and magnetic properties of 17-TfGe2   | Acharya S., Université Clermont Auvergne, CN                      | Physical Sciences    | European Physical Journal C  | 2023 | 9  | 193 |
| Photocurrent Polarity Switches and Enhanced Photopumped in Silver Nanoparticles Decorated a-GaN-Based Photodetector   | Singh D.K., CSIR National Physical Laboratory, CN                 | Physical Sciences    | ACS Applied Electronic Materials                                       | 2023 | 11 | 49  |
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| Minimal scenarios for soft inequalities in multi-quark states   | Das A., Institute of Physics, Saha School, Saha                   | Physical Sciences    | International Journal of Quantum Information                           | 2023 | 0  | 44  |
| Time evolution of Majorana corner modes in a Fulde-Ferrell second-order topological superconductor  | Ghosh A.K., Institute of Physics, Sachivalaya Maji                | Physical Sciences    | Physical Review B  | 2023 | 9  | 497 |
| Interference Effect of Beam Splitter Current in Intrinsic Superconductors   | Bag A., Institute of Physics, Odisha, Bhubaneswar                 | Physical Sciences    | Journal of Superconductivity and Novel Magnetism                       | 2023 | 0  | 58  |
| Unevenly polarized synaptic weight modification in nanoscale in a highly stable two-terminal memristor  | Sudheer, SUNAG Laboratory, Institute of Physics                   | Physical Sciences    | Applied Surface Science  | 2023 | 5  | 235 |
| Variation of structural and magnetic properties of mixed-valent manganites through A-site Cationic ordering   | Khanan A., Institute of Physics, Sachivalaya Maji                 | Physical Sciences    | Journal of Magnetism and Magnetic Materials                            | 2023 | 4  | 195 |
| Magnetic-field induced Deforrmation in Hybrid Stars   | Father J.A., Centro de Astronomía e Gravitación, CN               | Physical Sciences    | Astrophysical Journal  | 2023 | 5  | 479 |
| High Responsibility in Monolayer MoS <sub>2</sub> Photodetector via Controlled Interfacial Carrier Trapping   | Sahoo S., Laboratory for Low Dimensional Mat                      | Physical Sciences    | ACS Applied Electronic Materials                                       | 2023 | 5  | 49  |
| Topological characterization and stability of Roquet Majorana modes in Rashba nanowires   | Mondal D., Institute of Physics, Sachivalaya Maji                 | Physical Sciences    | Physical Review B  | 2023 | 7  | 497 |
| Realization of Short- and Long-Term Memories at Nanoscale and their Temporal Evolution in Two-Terminal Memristive Synapses  | Hastur D., SUNAG Laboratory, Institute of Physics                 | Physical Sciences    | Applied Surface Science  | 2023 | 5  | 235 |
| Cooperation and competition in the collective drive by motor proteins: mean active force, fluctuations, and self-load   | Karan C., Institute of Physics, Sachivalaya Maji                  | Physical Sciences    | Soft Matter  | 2023 | 1  | 201 |
| Measurement of anti- $\pi^0$ nucleon absorption in matter and impact on their propagation in the Galaxy   | Acharya S., Variable Energy Cyclotron Centre, CN                  | Physical Sciences    | Nature Physics   | 2023 | 10 | 334 |
| Taking the phase transition from topological superconductor to trivial superconductor induced by magnetic textures of a spin chain on the Fermi surface   | Chatterjee P., Institute of Physics, Sachivalaya Maji             | Physical Sciences    | Physical Review B  | 2023 | 6  | 497 |
| Modeling of Charge Transfer in the Cetra Muon Beam (CMB)  | Singh D.K., CSIR National Physical Laboratory, CN                 | Physical Sciences    | Physical Review B  | 2023 | 1  | 47  |
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| Exact moments and reentry transitions in the inertial dynamics of active Brownian particles   | Patel M., Institute of Physics, Sachivalaya Maji                  | Physical Sciences    | New Journal of Physics   | 2023 | 3  | 204 |
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| Role of cationic size changed effect and disorder in mixed valent manganites  | Khanan A., Institute of Physics, Sachivalaya Maji                 | Physical Sciences    | APL Advances   | 2023 | 1  | 81  |
| Lossless density charged Higgs bosons at the LHC  | Ashwath A., Institute of Physics, Sachivalaya Maji                | Physical Sciences    | Physical Review D  | 2023 | 7  | 393 |
| Magnetized neutron star crust within effective relativistic mean-field model  | Pannir V., School of Physics and Materials Sci                    | Physical Sciences    | Physical Review D  | 2023 | 7  | 393 |
| Biopolar Resistive Switching in TiO <sub>2</sub> Artificial Synapse Mimicking Pavlov's Associative Learning   | Jena A.K., Laboratory for Low-dimensional Mat                     | Physical Sciences    | ACS Applied Materials and Interfaces                                   | 2023 | 40 | 284 |
| SERS sensing of Melanin yellow in tumeric solution using self-organized nanoparticle arrays grown on iron beam patterned soda-lime glass  | Augustine S., Institute for Plasma Research, Bhat                 | Physical Sciences    | Photonics and Nanotechnologies: Fundamentals and Applications          | 2023 | 2  | 47  |
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| Study on structural properties of wet hevea with induced damage in $\mu$ 2023   | Patra P., ITER India, Institute for Plasma Rese                   | Physical Sciences    | Radiation Physics and Chemistry  | 2023 | 4  | 98  |
| Mid-Infrared Radiation from Semiconductor Plasma Using Extrordinary Mode of Lasers  | Gopal K., Department of Physics and Electro                       | Engineering Sciences | Brazilian Journal of Physics   | 2023 | 1  | 54  |
| Studies of physical-chemical changes of dielectric barrier discharge plasma treated aramid fibers   | Jeffers S., Institute for Plasma Research, Bhat                   | Engineering Sciences | Vacuum   | 2023 | 3  | 125 |
| Selection generation of reaction oxygen species in aqueous solution induced using CO <sub>2</sub> plasma  | Patra P., ITER India, Institute for Plasma Rese                   | Physical Sciences    | Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films | 2023 | 7  | 56  |
| Modeling of ion current in a parallel plate planar plasma reactor using layered pattern   | Brown A.J., Institute for Plasma Research, Bhat                   | Physical Sciences    | Plasma Physics and Engineering Progress                                | 2023 | 0  | 56  |
| Kinetic simulation of a 3D $m/m$ capacitor coupled carbon dioxide layer over a range of temperatures and comparison to experiments  | Sinha S., School of Aeronautics and Astronauti                    | Physical Sciences    | Physics of Plasmas   | 2023 | 3  | 174 |
| Effect of chamber pressure on the output characteristics of a passive DC plasma torch   | Krishna Mohanta R., Institute for Plasma Rese                     | Physical Sciences    | Journal of Applied Physics   | 2023 | 0  | 265 |
| Effect of ambient gas on growth of CNTs: study on potential nuclear fusion application  | Agrawal S., Institute for Plasma Rese, New                        | Physical Sciences    | Journal of Materials Science: Materials in Electronics                 | 2023 | 1  | 97  |
| Plasma sheath with multi-species of positive ions and surface produced negative ions  | Samantika S., Centre of Plasma Physics, Institute                 | Physical Sciences    | Contributions to Plasma Physics  | 2023 | 0  | 56  |
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| Investigation of EDL evolution and charged particle transport in E + B plasma based negative ion sources using kinetic simulations  | Shah M., Institute for Plasma Research, Gandi                     | Physical Sciences    | Scientific Reports   | 2023 | 2  | 315 |
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| Computational and Experimental Study of Nonequilibrium Flow in Plasma Wind Tunnel   | Umeshwaran, Indian Space Research Orga                            | Physical Sciences    | Journal of Thermophysics and Heat Transfer                             | 2023 | 0  | 76  |
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| Impact of beam bias on growth of CNTs: study on potential nuclear fusion application  | Patel A., Institute for Plasma Research, A                        | Physical Sciences    | Plasma Physics and Design  | 2023 | 0  | 21  |
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| Planning of graphene for conformal wrinkling over a soft copolymer substrate through prestrain-release process  | Pandey M., Department of Physics, Indira Insti                    | Physical Sciences    | Applied Surface Science Advances                                       | 2023 | 0  | 25  |
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| Impact of edge bias on the cross-field transport and power spectra  | Waseem B., Department of Physics, National                        | Physical Sciences    | Journal of Applied Physics   | 2023 | 3  | 350 |
| Study of a collisionless magnetized plasma sheet with nonperiodically distributed species   | Paul R., Centre of Plasma Physics, Institute                      | Physical Sciences    | Plasma Science and Technology  | 2023 | 1  | 42  |
| Study of plasma blob formation and its numerical and experimental validations   | Bisal N., Institute for Plasma Research, Bhat                     | Physical Sciences    | Reviews of Modern Plasma Physics                                       | 2023 | 5  | 20  |
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| Enhancing the physicochemical properties and reactive species concentration of plasma activated water using an air bubble diffuser  | Rathore V., Institute for Plasma Research, Gand                   | Physical Sciences    | Physics Letters, Section A: General, Atomic and Solid State Physics    | 2023 | 6  | 189 |
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| Fluorescent Ag-aggregates of quencher 8-methoxy B (8MeB) in glyceral, ethylene glycol, methanol and butanol under ambient condition  | Rajendra S., Department of Physics, Gauhati University  | Physical Sciences              | Journal of Molecular Structure  | 2023                      | 2    | 123 |     |
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| Protein-protein interaction analysis of the human proteome using bioRxiv   | Shrivastava A., Institute of Plasma Research, Gandhinagar   | Physical Sciences              | Proteins  | 2023                      | 1    | 18  |     |
| Population of Missing Compton Intensity Using Gravitational Waves through GWTC-3   | Hobart R., LIGO Laboratory, California Institute of Technology  | Physical Sciences              | Physical Review X   | 2023                      | 334  | 180 |     |
| High temperature solid state synthesis and characterization of mixed phase Sr <sub>2</sub> Ca <sub>3</sub> O <sub>7</sub> -Sr <sub>2</sub> Ca <sub>3</sub> O <sub>7</sub> -δ ceramic: a potential proton conductor | Patai S., Panjab Deemed to be University  | Physical Sciences              | Journal of Materials Science: Materials in Electronics  | 2023                      | 1    | 87  |     |
| Role of magnetohydrodynamic stability in sawtooth induced heat propagation in ASDEX tokamak  | Shah M., Group in Computational Science and Engineering   | Physical Sciences              | Nuclear Fusion  | 2023                      | 0    | 137 |     |
| Observation of double layer formation at low temperature e + B plasma based negative ion sources   | Shah M., Group in Computational Science and Engineering   | Physical Sciences              | Physics of Plasmas  | 2023                      | 2    | 124 |     |
| Modulational instability of a Yukawa fluid excitation under the quasi-localized charged approximation (QLCA) framework   | Dalal S., Institute for Plasma Research, HBNI   | Physical Sciences              | Physica Scripta   | 2023                      | 2    | 97  |     |
| Experimental investigation of rarefied flows through supersonic nozzles  | Patai M., Institute for Plasma Research, Neemuch  | Physical Sciences              | Vacuum  | 2023                      | 3    | 100 |     |
| Plasma Treballi-mediated ionization for nonremoval memory application  | Sudheer, ICPT, Institute for Plasma Research  | Physical Sciences              | Applied Surface Science   | 2023                      | 2    | 235 |     |
| Evolution and Design Study of Unified Cooling and Baking Scheme for SMARTEX-C  | Ibraruzzouk R., Institute for Plasma Research   | Engineering Sciences           | Fusion Engineering and Design   | 2023                      | 0    | 94  |     |
| Study of magnetized multi-component plasma sheets containing charged dust particles in presence of oblique magnetic field: a fluid approach  | Shrivastava A., Institute for Plasma Research, Gandhinagar  | Physical Sciences              | Fusion Science and Technology   | 2023                      | 1    | 97  |     |
| Au/Ag SERS active substrate for broader wavelength excitation  | Augustine S., Institute for Plasma Research, Gandhinagar  | Physical Sciences              | Optical Materials   | 2023                      | 13   | 119 |     |
| Nickel-Catalyzed Domino Reaction of Aroylketonecarboxylate with Aromatic Acids: Synthesis of 2-Arylquinoxalines  | Panikar S. K., School of Basic Sciences, Indian Institute of Science Education and Research, Thiruvananthapuram | Chemical Sciences              | Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy                                     | 2023                      | 1    | 158 |     |
| Role of cluster gene 3' UTR polymorphisms and promoter hypermethylation in the pathogenesis of pseudozellulosis syndrome and associated diseases   | Kapoori R. S., School of Biological Sciences, Nitte University  | Physical Sciences              | Organic Letters   | 2023                      | 1    | 257 |     |
| Fabrication of Ni NPs 3D hierarchical superconductor nanostructures  | Nandu L., School of Physical Sciences, National Institute of Science Education and Research                     | Physical Sciences              | Biochimica et Biophysica Acta - Gene Regulatory Mechanisms  | 2023                      | 2    | 143 |     |
| Observation of the first spark production in proton-proton collisions at 13TeV   | Havayadevan A., TerreVive Physics Institute, Yerwada  | Physical Sciences              | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics                          | 2023                      | 22   | 283 |     |
| Nonlocal Optimal Detection of SGRs Based on the Basic Problem Probe: Theoretical Investigations and Biological Applications  | Chen J., School of Basic Sciences, Institute of Science Education and Research                                  | Physical Sciences              | ACS Applied Bio Materials   | 2023                      | 1    | 57  |     |
| Impact of C60 on the Growth and Morphology of CdS Nanoparticles: A review of growth mechanism and applications   | Abdullah A., School of Chemical Sciences, National Institute of Science Education and Research                  | Chemical Sciences              | Biotechnology and Applied Microbiology  | 2023                      | 0    | 146 |     |
| Enhancing the photoelectrochemical efficiency and stability of CdS <sub>x</sub> nanosheets for visible-light driven advanced diaryliodonium ethenyl cation reduction   | Praveen S., School of Humanities and Social Sciences  | Chemical Sciences              | Catalysis Science and Technology  | 2023                      | 3    | 146 |     |
| Designing Unconditional Self-Acceptance: A Quantitative Report   | Pradhan S., School of Physical Sciences, National Institute of Science Education and Research                   | Physical Sciences              | Journal of Rational - Emotive and Cognitive - Behavior Therapy  | 2023                      | 0    | 44  |     |
| Vector chirality through physical phase transitions in nonlinear optical media: Theoretical investigations and linear optics   | Pradhan S., School of Physical Sciences, National Institute of Science Education and Research                   | Physical Sciences              | Communications Physics  | 2023                      | 1    | 50  |     |
| Chikungunya virus perturbs the Wnt/beta-catenin signaling pathways for efficient viral infection   | Postier S., Institute of Life Sciences, Bhubaneswar   | Physical Sciences              | Journal of Virology   | 2023                      | 1    | 321 |     |
| Understanding the influence of ethylene glycol on the microscopic behavior of mizolamide-based monocationic and dicationic iontops   | Mahapatra A., School of Chemical Sciences, National Institute of Science Education and Research                 | Chemical Sciences              | Chemical Physics Impact   | 2023                      | 0    | 15  |     |
| On heat equations associated with fractional harmonic oscillators  | Bhattacharyya D., Department of Mathematics, National Institute of Science Education and Research               | Mathematical Sciences          | Fractional Calculus and Applied Analysis  | 2023                      | 0    | 64  |     |
| Anionic quantum symmetries of finite spaces  | Ansari D., Department of Mathematics and Statistics, National Institute of Science Education and Research       | Mathematical Sciences          | Letters in Mathematical Physics   | 2023                      | 1    | 61  |     |
| C–H Bond Activation by an Antimony(V) Oxide Intermediates Accessed through Electrochemical Oxidation of Antimony(III) Tetrasulfophosphate  | Paini T., School of Chemical Sciences, National Institute of Science Education and Research                     | Chemical Sciences              | Inorganic Chemistry   | 2023                      | 1    | 255 |     |
| Coat-Catalyzed Chelating-Derived Synthesis of Cyclic Amines and Lactams From Ketocids and Anilines Using Hydrolysis  | Panda S., School of Chemical Sciences, National Institute of Science Education and Research                     | Physical Sciences              | Journal of Organic Chemistry  | 2023                      | 1    | 244 |     |
| The unique role of finger of prion on cones  | Sebastian J., School of Physical Sciences, National Institute of Science Education and Research                 | Physical Sciences              | Physical Review D   | 2023                      | 2    | 393 |     |
| Hernandez J., Max Planck Institute for Solar System Physics  | Hernandez J., Max Planck Institute for Solar System Physics   | Physical Sciences              | Planetary and Space Science   | 2023                      | 0    | 104 |     |
| TNFα activation and HIF-1α inhibition synergistically downregulate macrophage activation and inflammatory responses in vitro   | Radhakrishnan A., National Institute of Science Education and Research  | Physical Sciences              | BMC Immunology  | 2023                      | 5    | 73  |     |
| Phase Biasing of a Josephson junction using Rashba-Esaki Effect  | Senapati T., School of Physical Sciences, National Institute of Science Education and Research                  | Physical Sciences              | Nature Communications   | 2023                      | 2    | 523 |     |
| Ruthenium Catalyzed Self-Coupling of Secondary Alcohols  | Chatterjee A., School of Chemical Sciences, National Institute of Science Education and Research                | Chemical Sciences              | Journal of Organic Chemistry  | 2023                      | 1    | 244 |     |
| Geochimical and Photochemical Constraints on SiO <sub>2</sub> Concentrations in Natural Waters on Prebiotic Earth  | Kumar N., School of Chemical Sciences, National Institute of Science Education and Research                     | Chemical Sciences              | AGU Advances  | 2023                      | 3    | 258 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Mathematical Sciences  | 2023                      | 0    | 10  |     |
| Antibiotic-Induced Cell Death: Role of Caspase-3 and Caspase-9 in the Death Pathway of <i>Escherichia coli</i>   | Dasgupta A., School of Chemical Sciences, National Institute of Science Education and Research                  | Chemical Sciences              | Applied Bio Materials   | 2023                      | 0    | 146 |     |
| Reparametrization symmetry of local entropy production on a dynamical horizon  | Bhattacherjee S., School of Physical Sciences, National Institute of Science Education and Research             | Mathematical Sciences          | Mathematical Physics; Physics Sciences  | Physical Review D         | 2023 | 3   | 359 |
| Designing topological antimonics and non-topological magnetic phases in 0D symmetric MnII-Na <sub>2</sub> Ga <sub>3</sub> single crystalline device  | Jainvelu S., School of Physical Sciences, National Institute of Science Education and Research                  | Physical Sciences              | Applied Physics Letters   | 2023                      | 0    | 478 |     |
| Hyperon Polarization along the Beam Direction Relative to the Second and Third Harmonic Event Planes in J/ψ+Λ collisions at sNN = 200 GeV  | Patil P., School of Physical Sciences, National Institute of Science Education and Research                     | Physical Sciences              | Physical Review Letters   | 2023                      | 7    | 708 |     |
| Theoretical analysis of multiple magnetons in iron monolayer systems: A new role of x-ray scattering spectra of two-dimensional ferromagnetic materials  | Patil P., School of Physical Sciences, National Institute of Science Education and Research                     | Physical Sciences              | Physical Review B   | 2023                      | 0    | 450 |     |
| Physical analysis of multiple magnetons in iron monolayer systems: A new role of x-ray scattering spectra of two-dimensional ferromagnetic materials   | Patil P., School of Physical Sciences, National Institute of Science Education and Research                     | Physical Sciences              | European Journal of Organic Chemistry   | 2023                      | 0    | 173 |     |
| 2D Non-Fused Haptophytes: Sporulation Triggered Mgb2 Aromaticity and Structural Properties   | Dash S., Unilever Research, CNRS Institut des Matériaux et des Systèmes Complexes                               | Chemical Sciences              | New Journal of Chemistry  | 2023                      | 0    | 139 |     |
| Analytic results on the massive three-loop form factors: Quarkonic contributions   | Blümlein J., Deutsches Elektronen-Synchrotron   | Physical Sciences              | Physical Review D   | 2023                      | 4    | 393 |     |
| One-pot three-component synthesis of α-methylated ketones from secondary and primary aryl alcohols   | Sameri S., School of Chemical Sciences, National Institute of Science Education and Research                    | Chemical Sciences              | New Journal of Chemistry  | 2023                      | 0    | 139 |     |
| Local Structural Modifications in Metallofullerenes Induced by Plasma Focused Ion Beam Processing  | Singh K., Institute of Material Physics, National Institute of Science Education and Research                   | Physical Sciences              | Materials   | 2023                      | 0    | 168 |     |
| Correlation of interfacial and dielectric constants in atomic layer deposited Al <sub>2</sub> O <sub>3</sub> /TiO <sub>2</sub> /nanolaminate grown with different precursors                                       | Abdullah M.I., American University in Cairo   | Physical Sciences              | Journal of Vacuum Science and Technology A: Vacuum, Surfaces and Films                                    | 2023                      | 3    | 123 |     |
| Modulation of TRPM8 alters the phagocytic activity of microglia induces changes in sub-cellular organelle functions  | Ghosh D., School of Biological Sciences, National Institute of Science Education and Research                   | Physical Sciences              | Applied Physics Letters   | 2023                      | 1    | 260 |     |
| Quantum loop effects on the power spectrum and constraints on primordial black holes   | Choudhury S., Centre for Cosmology and Gravitation  | Physical Sciences              | Physical Review Letters   | 2023                      | 0    | 490 |     |
| Flux-induced reorientations in dynamics in the quantum walk of interacting bosons  | Giri M., Centre for Quantum Engineering and Dynamics  | Physical Sciences              | Physical Review A   | 2023                      | 1    | 296 |     |
| Symmetry-enriched criticality in a coupled spin ladder   | Mondal S., Institute for Theoretical Physics, Guelph  | Physical Sciences              | Physical Review B   | 2023                      | 4    | 497 |     |
| Modular differential equations with movable poles and admissible RCFT characters   | Das A., Centre for Particle Theory, Department of Physics   | Physical Sciences              | Journal of High Energy Physics  | 2023                      | 2    | 256 |     |
| Re-Catalyzed Polymer-Directed Late Stage Cyclization of Tryptophan-Containing Peptides   | Bag A., School of Chemical Sciences, National Institute of Science Education and Research                       | Chemical Sciences              | Journal of Organic Chemistry  | 2023                      | 2    | 244 |     |
| Impact of the Role of Alkaline Earth Metal Ions on the Solubility Product of Cd <sub>3</sub> O in Aqueous Solutions  | Mohapatra A., School of Chemical Sciences, National Institute of Science Education and Research                 | Chemical Sciences              | Journal of Inorganic Chemistry  | 2023                      | 1    | 137 |     |
| Surface-state mediated spin-to-charge conversion in 2D films via bidirectional spin current injection  | Gomes de Oliveira A., Departamento de Física, Univali   | Physical Sciences              | Applied Physics Letters   | 2023                      | 3    | 470 |     |
| Electrolytic flow of heavy decay fragments in Au(Au) collisions at 27 and 54.4 GeV at RHIC   | Djordjević D., Laboratory for Nanomagnetism and Spintronics   | Physical Sciences              | Physical Review Letters   | 2023                      | 1    | 164 |     |
| Effect of the number of layers on the energy loss fine structure and sharpness   | Prabhu A., Department of Physics, National Institute of Science Education and Research                          | Physical Sciences              | Applied Physics Letters   | 2023                      | 1    | 104 |     |
| Butterfly wing type new push-pull π–D–π–A organic fluorophore: synthesis, photophysical, DFT and nonlinear optical property studies  | Alagumathi A., Organic and Peroxide Photochemical Sciences  | Physical Sciences              | New Journal of Chemistry  | 2023                      | 2    | 139 |     |
| Direct Synthesis of Aldoximes: Ruthenium-Catalyzed Coupling of Alcohols and Hydroxylamine Hydrochloride  | Mankupudi D., School of Chemical Sciences, National Institute of Science Education and Research                 | Chemistry – An Asian Journal   | Chemistry – An Asian Journal  | 2023                      | 0    | 124 |     |
| Study of vibration modes of MeVI in methylated MgI <sub>2</sub> crystal  | Thakare S., School of Physical Sciences, National Institute of Science Education and Research                   | Physical Sciences              | Vibrational Spectroscopy  | 2023                      | 0    | 90  |     |
| Ruthenium-Catalyzed Selective α-Alkylation of 2-Naphthols using Primary Alcohols: Elucidating the Influence of Base and Water  | Das S., School of Chemical Sciences, National Institute of Science Education and Research                       | Chemical Sciences              | Advanced Quantum Technologies   | 2023                      | 1    | 33  |     |
| Cathodoluminescence and structural properties of ZnTe nanocrystals synthesized from Te/ZnO thin films  | Wala Sankar R., School of Chemical Sciences, National Institute of Science Education and Research               | Chemical Sciences              | Chemistry – A European Journal  | 2023                      | 5    | 273 |     |
| Graphene-Based Photocatalytic Reduction of Naphthalene to Naphthalene-1,4-diol   | Ghosh K., School of Chemical Sciences, National Institute of Science Education and Research                     | Chemical Sciences              | Journal of Alloys and Compounds   | 2023                      | 5    | 216 |     |
| Surface-Enhanced Raman Scattering of C <sub>60</sub> on Graphene   | Surana S., Department of Mathematics, National Institute of Science Education and Research                      | Mathematical Sciences          | Advances in Mathematics   | 2023                      | 0    | 113 |     |
| Impact of the Role of Alkaline Earth Metal Ions on the Solubility Product of Cd <sub>3</sub> O in Aqueous Solutions  | Mohapatra A., School of Chemical Sciences, National Institute of Science Education and Research                 | Chemical Sciences              | Applied Physics Letters   | 2023                      | 0    | 191 |     |
| Surface-state mediated spin-to-charge conversion in 2D films via bidirectional spin current injection  | Djordjević D., Laboratory for Nanomagnetism and Spintronics   | Physical Sciences              | Applied Physics A: Materials Science and Processing   | 2023                      | 1    | 164 |     |
| Electrolytic flow of heavy decay fragments in Au(Au) collisions at 27 and 54.4 GeV at RHIC   | Prabhu A., Department of Physics, National Institute of Science Education and Research                          | Physical Sciences              | Physical Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics                         | 2023                      | 2    | 280 |     |
| NOT-173 DREAMS: Clouds in the Atmosphere of WASP-173   | Grant D., HMI With Physics Laboratory, University of Illinois Urbana-Champaign                                  | Physical Sciences              | Astrophysical Journal Letters   | 2023                      | 15   | 196 |     |
| Clouds in the Atmosphere of WASP-173   | Grant D., HMI With Physics Laboratory, University of Illinois Urbana-Champaign                                  | Physical Sciences              | Clouds in the Atmosphere of WASP-173  | 2023                      | 1    | 52  |     |
| Butterfly wing type new push-pull π–D–π–A organic fluorophore: synthesis, photophysical, DFT and nonlinear optical property studies  | Alagumathi A., Organic and Peroxide Photochemical Sciences  | Physical Sciences              | Journal of the Royal Society, Interface   | 2023                      | 0    | 10  |     |
| Designing Unconditional Self-Acceptance: A Quantitative Report   | Pradhan S., School of Physical Sciences, National Institute of Science Education and Research                   | Physical Sciences              | Psychiatry Research and Treatment   | 2023                      | 1    | 141 |     |
| Impact of the Role of Alkaline Earth Metal Ions on the Solubility Product of Cd <sub>3</sub> O in Aqueous Solutions  | Das S., School of Physical Sciences, National Institute of Science Education and Research                       | Physical Sciences              | Physical Review E   | 2023                      | 0    | 325 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Solar R&D   | 2023                      | 2    | 89  |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Chemical Physics   | 2023                      | 2    | 104 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Physical Chemistry C   | 2023                      | 2    | 112 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Mechanics and Planetary Science   | 2023                      | 0    | 112 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Meccanica   | 2023                      | 0    | 49  |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Bulletin of the London Mathematical Society   | 2023                      | 0    | 46  |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Bulletin of the Australian Mathematical Society   | 2023                      | 0    | 46  |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of the Australian Mathematical Society  | 2023                      | 0    | 120 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Inequalities and Applications  | 2023                      | 0    | 20  |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Monatshefte für Mathematik  | 2023                      | 0    | 20  |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | New Journal of Chemistry  | 2023                      | 0    | 768 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Mathematische Zeitschrift   | 2023                      | 0    | 66  |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Cosmology and Astroparticle Physics  | 2023                      | 2    | 141 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Industrial and Engineering Chemistry Research   | 2023                      | 0    | 225 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Organic Chemistry  | 2023                      | 1    | 244 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | D Dalton Transactions   | 2023                      | 1    | 211 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Chemical Communications   | 2023                      | 3    | 370 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of the Royal Astronomical Society   | 2023                      | 7    | 372 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | D Dalton Transactions   | 2023                      | 1    | 211 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Advances in Natural Sciences: Nanoscience and Nanotechnology  | 2023                      | 6    | 63  |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Nanotechnology   | 2023                      | 2    | 228 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Physical Chemistry C   | 2023                      | 0    | 338 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | D Dalton Transactions   | 2023                      | 2    | 257 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Materials Chemistry B  | 2023                      | 2    | 167 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Materials Chemistry B  | 2023                      | 2    | 210 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Journal of Materials Chemistry B  | 2023                      | 1    | 274 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Biochemistry  | 2023                      | 1    | 193 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics                          | 2023                      | 3    | 283 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length and Bond Angle on the Accuracy of Predictions from X-ray Analyses and Computations   | Burgess, D., Department of Mathematics, National Institute of Science Education and Research                    | Mathematical Sciences          | Physical Review B   | 2023                      | 0    | 497 |     |
| Impact of Bond Length  |   |                                |   |                           |      |     |     |





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| Role of Different Solvents and Tailor-Made Additives in Asymmetry in Growth Rates along the Opposite Ends of the Polar Axis: The Riddle                            | Singh M.K., Theory & Simulation Laboratory, Physical Sciences   | Crystal Growth and Design   | 2023 | 1  | 174 |
| Measurements for static shape control optimization of silicon mirror using nonlinear piezoceramic actuators  | Sunil, Homi Bhabha National Institute, Mumbai   | Smart Materials and Structures  | 2023 | 0  | 178 |
| Improvement of Stress Corrosion Cracking Resistance of Sheet Cu304, Stainless Steel under Laser Shock Peening  | Gupta R.K., Laser Materials Processing Division, Physical Sciences                                    | Journal of Materials Engineering and Performance  | 2023 | 0  | 84  |
| Effect of electrical poling on the structural, vibrational, and electrical properties of 0.94Na0.5B10O13-(0.06-x)CaTiO3+x(BaTiO3) lead                             | Samarayant K.S., Department of Materials, Physical Sciences   | Ceramics International  | 2023 | 4  | 155 |
| High output power density owing to enhanced charge transfer in Zn-based bioplastic nanogenerator   | Ajimsha U.S., Nanoelectronics Lab, Physical Sciences  | Energy  | 2023 | 8  | 251 |
| Vector-dark-pulses from a pulsed fiber taper based detector made from nonlinear multimode interference   | Gupta P.K., Laser Technology Division, Raja Ramanna Center for Advanced Technology, Physical Sciences | Laser Physics   | 2023 | 2  | 61  |
| Effect of AZO3 layer thickness on leakage current and dielectric properties of atomic layer deposited Al2O3/TiO2/AZO3 nano stack                                   | Gupta P.S., Device Nano Electronics Lab, Physical Sciences  | Journal of Materials Science: Materials in Electronics  | 2023 | 8  | 97  |
| Electric field-induced nonlinear behavior of lead zirconate titanate piezoceramic actuators in bending mode  | Sunil, Homi Bhabha National Institute, Mumbai   | Mechanics of Advanced Materials and Structures  | 2023 | 11 | 63  |
| Elucidating laser directed energy deposition based additive manufacturing of copper-steels steel functionally graded material: Process and microstructure analysis | Tadav S., Homi Bhabha National Institute, Mumbai  | Journal of Manufacturing Processes  | 2023 | 5  | 94  |
| Artificial neural network-based modeling of hysteresis characteristics   | Manju A., School of Sciences, Indian Institute of Technology, Mumbai                                  | Electrical Engineering  | 2023 | 0  | 44  |
| Interference of two photons in a single-mode fiber: a case study of a diamond-based infrared stimulated visible emission phenomenon                                | Patel G., Department of Pure and Applied Physics, Physical Sciences                                   | Luminescence  | 2023 | 2  | 44  |
| Material stimulated magnetic ordering and magneto-crystalline behavior with electric rotation besides multiferroicity in Fe <sub>x</sub> As <sub>y</sub>           | Patel G., Department of Pure and Applied Physics, Physical Sciences                                   | Journal of Physics Condensed Matter   | 2023 | 0  | 205 |
| Development and characterization of atom chip for magnetic trapping of atoms   | Singh V., Laser Physics Applications Division, Physical Sciences                                      | Journal of Applied Physics  | 2023 | 5  | 350 |
| First principles study to probe the effect of substitution at x and z sites on the electronic, magnetic and transport properties of Cu2ZnV                         | Ezat R., Raja Ramanna Center for Advanced Technology, Physical Sciences                               | Solid State Communications  | 2023 | 3  | 142 |
| A Study on Effect of Multiple Slab Shock Peening on Microstructure, Residual Stress, and Mechanical Strength of 2.5 Ni-Cr-Mo (EN21) L12                            | Muthukumarangam G., School of Mechanical Engineering, Physical Sciences                               | Journal of Materials Engineering and Performance  | 2023 | 6  | 84  |
| Laser textured superhydrophilic silicon for uniform solidification and sensitive detection of water based samples using laser induced heating                      | Ahlawat S., Laser Technology Division, Raja Ramanna Center for Advanced Technology, Physical Sciences | Journal of Analytical Atomic Spectrometry   | 2023 | 1  | 129 |
| Cu2MnAlC: A possible half-metallic double perovskite for spintronics   | Ramawat S., Department of Physics, Indian Institute of Technology, Mumbai                             | Journal of Applied Physics  | 2023 | 4  | 350 |
| Optimization of Track Height of LDED Inconel Alloy-718   | Maurya A.K., Department of Mechanical Engineering, Physical Sciences                                  | NanoWorld Journal   | 2023 | 1  | 17  |
| interface-resolved study of magnetism in Mg/(FeCo/MgO) trilayers using x-ray standing wave techniques  | Jamal M.S., UGC-DAE Consortium for Scientific Research, Physical Sciences                             | Physical Review B   | 2023 | 7  | 497 |
| Study of oxidation behaviour of Ruthenium thin film after thermal annealing in oxygen environment  | Gupta S., Accelerator Physics and Photonics, Physical Sciences  | Thin Solid Films  | 2023 | 4  | 213 |
| Directed oriented crystallization, 2-cyan stearic acid and Type-I-SHG elements using imidazolium-Li-tartrate   | Siddon C., Department of Physics, V.S.B. Engineering College, Physical Sciences                       | Journal of Physics and Chemistry of Solids  | 2023 | 2  | 121 |
| An <i>In</i> -K edge absorption at high pressures in <i>InAs</i> (Al <i>x</i> <i>In</i> <sub>1-x</sub> ) <sub>As</sub> : First principles results                  | Ghosh S., Chemical Sciences Division, Lawrence Berkeley National Laboratory, Physical Sciences        | Journal of Electron Spectroscopy and Related Phenomena  | 2023 | 1  | 101 |
| Boron migration during amorphous to crystalline transformation in Cu60/Mg60 multilayers: A reflectivity study  | Vishwakarma P., Amitabh Chotani, Physical Sciences  | Materials Research Bulletin   | 2023 | 1  | 130 |
| A method developed optical trap in an ultrahigh vacuum environment   | Barhawa K., Laser Physics Applications Division, Physical Sciences                                    | APL Advances  | 2023 | 0  | 81  |
| Addressing key aspects of 1D driven fast electron generation in ultra-short intense laser fall interaction   | Manjula T., Homi Bhabha National Institute, Mumbai  | Physics of Plasmas  | 2023 | 2  | 174 |
| Modeling of the effect of laser fluence on the rate of track formation   | Manjula T., Homi Bhabha National Institute, Mumbai  | Magnetism   | 2023 | 2  | 16  |
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| Impact of density dependence of symmetry energy on astrophysical <i>s</i> -factor for heavy ion fusion reactions   | Ehsan T., Saha Institute of Nuclear Physics, Physical Sciences  | Europhysics Journal A   | 2023 | 1  | 108 |
| Defect characteristics of carbonitride nanocrystallites synthesized via a chemical precipitation method  | Ahmed M., Applied Nuclear Physics Division, Physical Sciences   | Journal of Physics and Chemistry of Solids  | 2023 | 6  | 121 |
| Change transfer induced temperature ferromagnetic in Ba(Fe <sub>1-x</sub> Ag <sub>x</sub> ) <sub>2</sub> O <sub>3</sub> nanocomposite                              | Chatterjee T., Advanced Materials and Chemical Physics, Physical Sciences                             | Nanotechnology  | 2023 | 0  | 228 |
| Interfacial antiferromagnetic coupling driven magnetorotational properties in Ferrimagnetic superlattices  | Halter S., Division of Physics, Institute of Mathematics, Physical Sciences                           | Physical Review B   | 2023 | 1  | 497 |
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| Performance of the joint LST-1 and MAGIC observatories evaluated with Crab Nebula  | Abe H., Institute for Cosmic Ray Research, University of Tokyo, Physical Sciences                     | Astrophysics and Astrophysics   | 2023 | 2  | 344 |
| Design and studies of G3 Gas Electrometers fabricated in India   | Roy H., Saha Institute of Nuclear Physics, Physical Sciences  | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023 | 0  | 181 |
| Detection of Nontrivial Topology Driven by Charge Density Wave in a Semi-Metal   | Alam R., Department of Condensed Matter and Applications, Physical Sciences                           | Advanced Functional Materials   | 2023 | 1  | 402 |
| Production and validation of industrially produced large-sized GEM foils for the Phase-2 upgrade of the CMS muon spectrometer                                      | Abbas M., Karlsruhe Institute of Technology, Physical Sciences  | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023 | 0  | 181 |
| Magnetic and magnetoresistive properties of polycrystalline Pt-1-xCuxNbO (x = 0.8, 0.9, 0.95) compounds: Emergence of large inverse magnetoresistance              | Karlaftis A., CERN Division, Saha Institute of Nuclear Physics, Physical Sciences                     | Journal of Magnetism and Magnetic Materials   | 2023 | 0  | 195 |
| Impact of magnetic field on stability of the CMS GE1/GE1 detector operation  | Abbas M., Karlsruhe Institute of Technology, Physical Sciences  | Journal of Instrumentation  | 2023 | 0  | 88  |
| Improved Extract Bandwidth and Edge-On-Oriented Ordering of Donor Acceptor Copolymer Thin Films  | Roy S., Saha Institute of Nuclear Physics, Physical Sciences  | Macromolecules  | 2023 | 1  | 345 |
| Depth-Mediated Self-Powered Thermoluminescence Chemically Tailored Tin Dioxide Nanoparticles   | Narayan R., Department of Physics, Jaypee University of Information Technology, Physical Sciences     | Brazilian Journal of Physics  | 2023 | 0  | 14  |
| Thermal Conductivity of Thermally Formed Polymeric Thermosets  | Das S., Saha Institute of Nuclear Physics, Physical Sciences  | Chemical Physics Letters  | 2023 | 0  | 477 |
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| Molecular Dipole Layer and Alkyl Side-Chain Induced Improvement in the Energy Level Alignment and Wetting of Dispersions   | Mandal S., Saha Institute of Nuclear Physics, Physical Sciences                                       | Journal of Physical Chemistry C   | 2023 | 1  | 338 |
| Exact decay of C115  | Das S., Saha Institute of Nuclear Physics, Physical Sciences  | Physical Review C   | 2023 | 0  | 238 |
| Magnetic and transport properties in metallic and disordered Ru <sub>2+x</sub> V <sub>1-x</sub> and Ru <sub>2+y</sub> Gd <sub>1-y</sub>                            | Mandal S., Mahatma Gandhi Chaitanya College, Physical Sciences  | Intermetallics  | 2023 | 1  | 134 |
| Critical behavior and phase diagram of skyrmion-hosting material Co <sub>4</sub> Fe <sub>48</sub> B <sub>8</sub> Mn4 predicted by anomalous Hall effect            | Bhatnagar A., CERN Division, Saha Institute of Nuclear Physics, Physical Sciences                     | Journal of Alloys and Compounds   | 2023 | 2  | 214 |
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| Role of A site and B site substitution on the low-temperature magnetic behavior of CaFe <sub>2</sub> O <sub>5</sub>  | Mudgil B., Department of Physics, Indian Institute of Technology, Physical Sciences                   | Nano Letters  | 2023 | 0  | 195 |
| Magnetic-Proximity-Induced Efficient Charge to Spin Conversion in Large-Area Pt50/7Ni80/20 Heterostructures  | Mudgil B., Department of Physics, Indian Institute of Technology, Physical Sciences                   | Nano Letters  | 2023 | 3  | 522 |
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| Novel covalent CDK7 inhibitor potentially induces apoptosis in acute myeloid leukemia and synergizes with Venetoclax   | Gaur T., Hasan Lab, Advanced Centre for Trauma & Reconstruction, Tata Memorial Centre, Mumbai, India     | Life Sciences; Medical and Health Sciences | Journal of Experimental and Clinical Cancer Research     | 2023 | 4  | 120 |
| Chemotherapy-induced Alopecia: Can We Measure the Level of Distress in Oncology Patients? (The ALDO Study)   | Jagdish P., Department of Nursing, College of Nursing, Deemed to be University, Mumbai, India            | Medical and Health Sciences                | South Asian Journal of Cancer                            | 2023 | 0  | 23  |
| Evaluation of an Objective MRI-Based Tumor Regression Grade (mTRG) Score and a Subjective Likert Scale for Assessing Treatment Response in a Cohort of Indian Patients With Early-Stage Breast Cancer  | Katara A., Department of Radiodiagnosis, Tata Memorial Centre, Mumbai, India                             | Medical and Health Sciences                | Indian Journal of Radiology and Imaging                  | 2023 | 0  | 35  |
| Synchronous and Metachronous Breast and Ovarian Cancers: Experience from a Single Tertiary Care Cancer Centre in India   | John S., Department of Surgical Oncology, Tata Memorial Centre, Mumbai, India                            | Medical and Health Sciences                | Indian Journal of Surgical Oncology                      | 2023 | 0  | 24  |
| Post-hepatectomy Tillary leak: analysis of risk factors and development of a simplified predictive scoring system  | Patkar S., GI & HPB Services, Department of Surgery, Tata Memorial Centre, Mumbai, India                 | Medical and Health Sciences                | Langenbeck's Archives of Surgery                         | 2023 | 1  | 90  |
| MRI in rectal cancer patients on 'watch and wait': patterns of response and their evolution  | Karharia A., Department of Radiology, Tata Memorial Centre, Mumbai, India                                | Medical and Health Sciences                | Abdominal Radiology                                      | 2023 | 1  | 88  |
| Immunogenicity and safety of a new quadrivalent HPV vaccine in girls and boys aged 9–14 years versus an established quadrivalent HPV Empty pelvic syndrome: a retrospective audit from a tertiary cancer center  | Sharma M., Serum Institute of India, Pune, India   | Medical and Health Sciences                | The Lancet Oncology                                      | 2023 | 8  | 408 |
| Practical Clinical Consensus Guidelines for the Management of Cancer Associated Anemia in Low- and Middle-Income Countries   | Nekandji S.S., Department of Gastroenterology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Langenbeck's Archives of Surgery                         | 2023 | 2  | 90  |
| High-Grade Gliomas from Subventricular Zone: Prognostic Outcome of Aggressiveness Using Fluorescence-Guided Multiple Sampling  | Parikh P.A., Department of Clinical Hematology, Tata Memorial Centre, Mumbai, India                      | Medical and Health Sciences                | South Asian Journal of Cancer                            | 2023 | 1  | 21  |
| Hypoglycemia guidelines for management of mHb-positive HbA1c measurement discrepancy in iron stores in South-Asian male donors   | Parkash D., Department of Endocrinology, Tata Memorial Centre, Mumbai, India                             | Medical and Health Sciences                | DMTSI's Journal of Integrative Biology                   | 2023 | 0  | 69  |
| Role of mHb-HbA1c (mHbA1c) assay in hemoglobinopathy screening in Indian population  | Patkar P., Dept. of Clinical Hematology, Tata Memorial Centre, Mumbai, India                             | Medical and Health Sciences                | Asia Pacific Journal of Haematology                      | 2023 | 1  | 47  |
| Surviving the Storm: The Impact of COVID-19 on Cervical Cancer Screening in Low- and Middle-Income Countries   | Patkar P., Department of Clinical Hematology, Tata Memorial Centre, Mumbai, India                        | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 1  | 165 |
| Low levels of CD26 on certain cellular subtypes of donor harvest is associated with better clinical outcomes post allogeneic stem cell transplantation and survival in Patients with Resected Pancreatic Duct Adenocarcinoma (PDAC)—Results from the Multicentre Indian Experience                               | Kandekar S., Koda Lab, Tumor Immunology & Immunotherapy, Tata Memorial Centre, Mumbai, India             | Life Sciences; Medical and Health Sciences | International Immunopharmacology                         | 2023 | 0  | 149 |
| Identification of the Hck-B*1015 and H4-A*120-07-23 alleles in individuals from the South Asia   | Parikh P.A., Department of Pathology, Tata Memorial Centre, Mumbai, India                                | Medical and Health Sciences                | Journal of Gastrointestinal Cancer                       | 2023 | 0  | 53  |
| Role of Surgery in the Treatment of Adenosarcoma Fibromyxoid: A Single Center Experience   | Mohanty S.K., Department of Population & Community Health, Tata Memorial Centre, Mumbai, India           | Medical and Health Sciences                | BMC Women's Health                                       | 2023 | 4  | 64  |
| Clinical Observations and Outcomes in Advanced Low-Grade Serous Carcinoma of the Ovary: Case Series from a Tertiary Cancer Center  | Dash B., Gynaecological Oncology Division, Tata Memorial Centre, Mumbai, India                           | Medical and Health Sciences                | Indian Journal of Surgical Oncology                      | 2023 | 0  | 24  |
| Fribo Throadorous Artery Perforator Flap for Head and Neck Reconstruction: An Indian Experience  | Gour K., Department of Plastic and Reconstructive Surgery, Tata Memorial Centre, Mumbai, India           | Medical and Health Sciences                | Indian Journal of Plastic Surgery                        | 2023 | 0  | 40  |
| The Sequential Organ Failure Assessment (SOFA) Score: Has it come for an update?   | Moreno R., Hospital de São José, Centro Hospitalar Universitário de Coimbra, Portugal                    | Medical and Health Sciences                | Critical Care  | 2023 | 39 | 217 |
| Relevance of Vitamin D in patients undergoing HLA-matched allogeneic stem cell transplant for acute leukemia   | Jindal N., Department of Medical Oncology, Tata Memorial Centre, Mumbai, India                           | Medical and Health Sciences                | Transplant Immunology                                    | 2023 | 0  | 64  |
| Effectiveness of family-centred sexual health education and HPV self-sampling in promoting cervical cancer screening among rural to urban migrant women  | Vishal M., Dogeckw College School of Nursing, Tata Memorial Centre, Mumbai, India                        | Life Sciences; Medical and Health Sciences | BMC Public Health  | 2023 | 5  | 197 |
| A Cytomorphological Analysis of Mucinous Subtype of Breast Cancer Using Immunohistochemical Surrogates: A 6-Year Institutional Experience  | Wagh V., Department of Pathology, Tata Memorial Centre, Mumbai, India                                    | Medical and Health Sciences                | South Asian Journal of Cancer                            | 2023 | 0  | 23  |
| Impact of the Hck-B*1015 and H4-A*120-07-23 alleles on prognosis in Indian patients with breast cancer   | Patkar P.A., Department of Pathology, Tata Memorial Centre, Mumbai, India                                | Medical and Health Sciences                | Journal of Prosthetic Dentistry                          | 2023 | 0  | 149 |
| External Validation of Robust Analytics Signatures to Predict a Year's Overall Survival in Non-Small Cell Lung Cancer  | Isha A.K., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                         | Medical and Health Sciences                | Journal of Digital Imaging                               | 2023 | 2  | 107 |
| Genome-wide DNA methylation profiling of HIF-1 negative leukoplakia and gingivobuccal complex cancers  | Inchaharan M., Mahimkar Lab, Cancer Research Institute, Tata Memorial Centre, Mumbai, India              | Life Sciences                              | Clinical Epigenetics                                     | 2023 | 4  | 78  |
| ANCHERY: a prospective observational study of artificial intelligence based radiotherapy treatment planning for cervical, head and neck cancer   | Agarwal A., Institute of Clinical Trials and Medical Research, Tata Memorial Centre, Mumbai, India       | Medical and Health Sciences                | BMC Open   | 2023 | 4  | 165 |
| BRCA100E Mutations and Beyond: A Molecular Perspective of Melanoma from a Tertiary Cancer Referral Center of India   | Vengurlekar V., Department of Pathology, Tata Memorial Centre, Mumbai, India                             | Medical and Health Sciences                | South Asian Journal of Cancer                            | 2023 | 0  | 23  |
| Global Perspectives on ERAS® in Pancreatoendocrinoma   | Karanurkar A., Department of Surgical Gastroenterology, Tata Memorial Centre, Mumbai, India              | Medical and Health Sciences                | World Journal of Surgery                                 | 2023 | 0  | 173 |
| Intraparenchymal Diagnosis of Bilateral Upper Limb Arteriovenous Fistula in a Child: A Case Report   | Tripathi V., Division of Clinical Anesthesia, Tata Memorial Centre, Mumbai, India                        | Medical and Health Sciences                | A and A Practice   | 2023 | 0  | 18  |
| Intraparenchymal Navigated Three-Dimensional Ultrasound Guidance Improves Resection in Glomus Compared with Standard Two-Dimensional Resection of post-chemotherapy residual seromatosus masses by 18F-fluorodeoxyglucose PET/CT using tumor-to-liver ratio: Consideration of tumor shrinkage after chemotherapy | Moyardi A., Department of Surgical Oncology, Tata Memorial Centre, Mumbai, India                         | Medical and Health Sciences                | World Neurosurgery                                       | 2023 | 2  | 115 |
| Awake Mapping of Supplementary Motor Area Networks for Maximal Safe Resection of Left Superior Fornix Granuloma—Low-Grade Glioma   | Mutani M.K., Neurosurgical Oncology Division, Tata Memorial Centre, Mumbai, India                        | Medical and Health Sciences                | Nuclear Medicine Communications                          | 2023 | 0  | 80  |
| Harmann and Kampfner treatment: analysis of NF1-associated gliomas   | Gir P.S., C. Ghosh Institute of Biotechnology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Neurology India  | 2023 | 0  | 54  |
| Perioperative routine coagulation testing versus thromboelastometry for major liver resection – A single-arm, prospective study  | Agarwal A., Institute of Clinical Trials and Medical Research, Tata Memorial Centre, Mumbai, India       | Medical and Health Sciences                | International Immunopharmacology                         | 2023 | 3  | 149 |
| Perioperative routine coagulation testing versus thromboelastometry  | Vengurlekar V., Department of Pathology, Tata Memorial Centre, Mumbai, India                             | Medical and Health Sciences                | Brachytherapy  | 2023 | 1  | 57  |
| Refractory or advanced brachytherapy techniques in ovarian cancers   | Manoharan M., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                      | Medical and Health Sciences                | Indian Journal of Anaesthesia                            | 2023 | 0  | 44  |
| Risk Factors for the incidence of a first-time malignant breast cancer: a case-control study   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Indian Journal of Cancer                                 | 2023 | 0  | 23  |
| Impact of EGFR Targeted Therapy in RECIST: A Present State of Oral Squamous Cell Carcinoma   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 1  | 325 |
| CECT Screening for Pancreatic Malignancies in Head and Neck Sequences: A Case Report   | Malhotra A., The Chittenden Cancer Centre, Tata Memorial Centre, Mumbai, India                           | Medical and Health Sciences                | Journal of Clinical Research                             | 2023 | 1  | 15  |
| Intrabreast Cholecalciferol as a Background in Bifocal Adenocarcinoma: A Rare Entity   | Malhotra A., The Chittenden Cancer Centre, Tata Memorial Centre, Mumbai, India                           | Medical and Health Sciences                | Indian Journal of Surgical Oncology                      | 2023 | 1  | 24  |
| Impact of Changes in Treatment Paradigm on Survival in Oral Squamous Cell Carcinoma – A Population-Level Study   | Apaval A., GE and HRB Service, Tata Memorial Centre, Mumbai, India                                       | Medical and Health Sciences                | Journal of Gastrointestinal Cancer                       | 2023 | 1  | 53  |
| Long-Term Outcomes of Crizotinib Treated ALK-Positive Lung Cancer Patients: A Retrospective Audit of Prospective Data from Resource-Limited Settings   | Ramalingam N., Department of Head and Neck, Tata Memorial Centre, Mumbai, India                          | Medical and Health Sciences                | Indian Journal of Cancer                                 | 2023 | 0  | 24  |
| Navigating the neutropenic abyss with granulocyte transfusion: Retrospective single-center analysis of effectiveness and safety in India   | Desai D., Department of Transfusion Medicine, Tata Memorial Centre, Mumbai, India                        | Medical and Health Sciences                | Journal of Clinical Aphresis                             | 2023 | 11 | 51  |
| The interaction network of the proteasome axis chaperone chaperone PSMD9 regulates proteostasis  | Christie J., Protein Interaction Lab at Structure, Tata Memorial Centre, Mumbai, India                   | Life Sciences                              | FEBS Journal   | 2023 | 1  | 236 |
| Nonsmall Primary Adenocarcinomas of the Base of the Tongue: A Single Tertiary Care Oncology Center Series of 6 Cases   | Yadav S., Department of Pathology, Tata Memorial Centre, Mumbai, India                                   | Medical and Health Sciences                | Archives of Pathology and Laboratory Medicine            | 2023 | 0  | 138 |
| Long-Term Cryopreservation of Peripheral Blood Stem Cells Harvested Using Low Concentration (4.3%) Dimethyl Sulfoxide with Methylenediphosphonic Acid  | Gokarn A., Department of Medical Oncology, Tata Memorial Centre, Mumbai, India                           | Medical and Health Sciences                | Transplantation and Cellular Therapy                     | 2023 | 1  | 140 |
| Effect of Moderate Malnutrition on the Pharmacokinetics of Etoposide and Vinorelbine in Freshly Weaned Rats  | Garg M., Department of Clinical Pharmacology, Tata Memorial Centre, Mumbai, India                        | Life Sciences                              | European Journal of Drug Metabolism and Pharmacokinetics | 2023 | 1  | 47  |
| Pancreatoduodenectomy in a Case with Celiac Stenosis: A Surgical Challenge   | Pandowala S., Gastroenterology and Endocrinology, Tata Memorial Centre, Mumbai, India                    | Medical and Health Sciences                | Journal of Gastrointestinal Cancer                       | 2023 | 0  | 53  |
| A large-scale targeted proteomics of serum and tissue shows the utility of classifying high grade and low grade meningioma tumors  | Halter A., Department of Biosciences and Bioengineering, Tata Memorial Centre, Mumbai, India             | Medical and Health Sciences                | Clinical Proteomics                                      | 2023 | 3  | 42  |
| Impact of consolidation chemotherapy in poor responders to neoadjuvant radiotherapy: imaging-based clinical trial  | Patel S., Department of Surgical Oncology, Tata Memorial Centre, Mumbai, India                           | Medical and Health Sciences                | Annals of Coloproctology                                 | 2023 | 1  | 30  |
| Splenomegaly: Is right extended hemicolectomy better than left hemicolectomy?  | Balaji D.S., Division of Colon and Rectal Surgery, Tata Memorial Centre, Mumbai, India                   | Medical and Health Sciences                | Langenbeck's Archives of Surgery                         | 2023 | 1  | 55  |
| Role of Biot Cell Transfusion in the Emergency Case  | Patwardhan S.J., Department of Internal Care, Tata Memorial Centre, Mumbai, India                        | Medical and Health Sciences                | Asian Journal of Cancer                                  | 2023 | 0  | 25  |
| Use of oral radiotracer therapy for cancer: radiation oncologists' perspectives and perceived barriers to implementation   | Zhang Y., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                          | Medical and Health Sciences                | Pediatric Oncology                                       | 2023 | 4  | 61  |
| A Sequential "Tin-Dover" and "Retro-Mesenteric Caudal to Mesenteric Artery Approach" for Proximally Located Left Aortic Arch   | Patra A.M., RIL-Max Super Specialty Hospital, Tata Memorial Centre, Mumbai, India                        | Medical and Health Sciences                | Journal of Gastrointestinal Cancer                       | 2023 | 0  | 53  |
| Assessment of PDL1, TROP2, and necrosis expression in primary squamous cell carcinoma  | Tekriwal B., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Human Pathology  | 2023 | 9  | 155 |
| Enhanced recovery pathway in minimally invasive colorectal cancer surgery: a prospective study on feasibility, compliance, and cost-effectiveness  | Thomas M., Department of Anaesthesia, Tata Memorial Centre, Mumbai, India                                | Medical and Health Sciences                | Langenbeck's Archives of Surgery                         | 2023 | 4  | 40  |
| Utility of immunohistochemical expression of H3.3K36M and H3.3K27M in the diagnosis of chondrosarcoma: An experience from a tertiary care center   | Rekhi B., Department of Pathology, Tata Memorial Centre, Mumbai, India                                   | Medical and Health Sciences                | Annals of Diagnostic Pathology                           | 2023 | 2  | 66  |
| Study Protocol of the Bladder Adjuvant Radiotherapy (BART) Trial: A Randomized Phase II Trial of Adjuvant Radiotherapy Following Cystectomy  | Murthy V., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                         | Medical and Health Sciences                | Cancer   | 2023 | 3  | 107 |
| Integrated Meta-Omics Analysis Unveils the Pathways Modulating Tumorigenesis and Proliferation in High-grade Meningioma  | Biswas D., Department of Biosciences and Bioengineering, Tata Memorial Centre, Mumbai, India             | Medical and Health Sciences                | Cancer Oncology  | 2023 | 2  | 89  |
| Comparison of Functional Outcomes of Intestinal Flaps Used for Gastric Reconstruction: Flaps for Circumferential Pharyngoesophageal Defects  | Kumar V., Department of Plastic and Reconstructive Surgery, Tata Memorial Centre, Mumbai, India          | Medical and Health Sciences                | Cells  | 2023 | 0  | 129 |
| Atrial fibrillation (AF) in the ICU: Incidence, Risk Factors, and Outcomes: The International AFIB-IUCl Cohort Study   | Westermeier M., Department of Intensive Care, Tata Memorial Centre, Mumbai, India                        | Medical and Health Sciences                | Journal of Clinical Surgery                              | 2023 | 0  | 24  |
| Diagnostic Performance of Response Assessment (ID-8/RECIST) in NSCLC Treated With Definitive Radiotherapy/Chemotherapy Using HR-CT   | Dutta R.P., Hasan Lab, ACTREC-Tata Memorial Centre, Tata Memorial Centre, Mumbai, India                  | Medical and Health Sciences                | Critical Care Medicine                                   | 2023 | 9  | 305 |
| Perioperative Modified FLORTV-TOX in Locally Advanced Recurrent Gastric and Gastro-esophageal Junction Adenocarcinoma: Results of a Prospective Trial of Eosinophilic Cancer at a Tertiary Care Center, Mumbai, India - Outcome at Five Years  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Otolaryngology - Head and Neck Surgery (United States)   | 2023 | 2  | 144 |
| Impact of Clinical Trend of Eosinophilia in a Case of Eosinophilic Carcinoma: A Case Report  | Ramswami A., Department of Medical Oncology, Tata Memorial Centre, Mumbai, India                         | Medical and Health Sciences                | Journal of Gastrointestinal Cancer                       | 2023 | 0  | 53  |
| Impact of a National Program of Monitoring and Reporting of Mortality in India: A Retrospective Analysis of Mortality in India over the Past 15 Years  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Journal of Gastrointestinal Cancer                       | 2023 | 1  | 53  |
| A National Program of Monitoring and Reporting of Mortality in India: A Retrospective Analysis of Mortality in India over the Past 15 Years  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Journal of Gastrointestinal Cancer                       | 2023 | 0  | 53  |
| Efficiency and economic profile of radiotherapy in critical patients: outcome of a multicenter study of the INT-0303 trial   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | British Journal of Radiology                             | 2023 | 15 | 213 |
| Incidence and pattern of oral infections in children: A case report of 317 children in a rural area: The impact of healthcare interventions on oral health   | Patel S., Department of Pediatrics and Child Health, Tata Memorial Centre, Mumbai, India                 | Medical and Health Sciences                | Infection Control and Hospital Epidemiology              | 2023 | 8  | 153 |
| Impact of surgical site infection on unplanned hospital admissions, initiation of antibiotic treatment following surgery, and disease-free survival  | Thiruppathi S., Department of Head & Neck Surgery, Tata Memorial Centre, Mumbai, India                   | Medical and Health Sciences                | Journal of Surgical Oncology                             | 2023 | 0  | 131 |
| In-silico and structure-based assessment to evaluate pathogenicity of missense mutations associated with non-small cell lung cancer  | Chakraborty S., Advanced Centre for Treatment, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Genomics and Informatics                                 | 2023 | 2  | 12  |
| Targeting transcriptional kinase CDH7 kills proliferation of multiple myeloma cells by modulating the function of canonical NF-κB path   | Dutta R.P., Hasan Lab, ACTREC-Tata Memorial Centre, Tata Memorial Centre, Mumbai, India                  | Medical and Health Sciences                | Translational Oncology                                   | 2023 | 2  | 72  |
| Granulocyte transplants help pediatric cancer patients with sepsis?  | Karthikeyan S., Division of Medical oncology, Tata Memorial Centre, Mumbai, India                        | Medical and Health Sciences                | Pediatric Blood and Cancer                               | 2023 | 0  | 128 |
| HRAS-mutated primary thyroid malignant melanoma or medullary thyroid carcinoma with melanocytic differentiation? A singular case   | Subramanian S., Department of Pathology, Tata Memorial Centre, Mumbai, India                             | Medical and Health Sciences                | Virology Archives  | 2023 | 1  | 110 |
| Survival of Trill-Like and Non-Trill-Like Patients With Immunotherapy in Advanced Hepatocellular Carcinoma in Real World: A Cohort Study   | Ramawat A., Department of Medical Oncology, Tata Memorial Centre, Mumbai, India                          | Medical and Health Sciences                | ICD global oncology                                      | 2023 | 2  | 39  |
| Spectrum of Histopathological, Immunohistochemical, Molecular and Radiological Features in 12 Cases of BCOR-CNRB1 Positive Sarcoma   | Rehla B., Department of Surgical Pathology, Tata Memorial Centre, Mumbai, India                          | Medical and Health Sciences                | International Journal of Surgical Pathology              | 2023 | 3  | 54  |
| Adverse Events during Interruption of Cancer Treatment in Critical Illness: A Multicenter, Prospective, Observational Study (TOUCH Study)  | Cheng K., Neuro-intensive Care Unit, Ruihong Hospital, China   | Medical and Health Sciences                | Journal of Critical Care Medicine                        | 2023 | 1  | 40  |
| Green nanotechnology approaches using Mesobius leejiai pegac AGGS S134 a multienzyme synthesized gold nanoparticles for anticancer studies   | Das G.C.A., Centre for Ocean Research & Earth Sciences, Tata Memorial Centre, Mumbai, India              | Medical and Health Sciences                | Journal of Drug Delivery Science and Technology          | 2023 | 0  | 73  |
| Rectal cancer lesion 10 years after radical resection: A case report   | Dutta R.P., Hasan Lab, ACTREC-Tata Memorial Centre, Tata Memorial Centre, Mumbai, India                  | Medical and Health Sciences                | Abdominal Radiology                                      | 2023 | 10 | 88  |
| Atavagli-telengiectasia and combined hepato-pancreatico-duodenal stenosis: A case report   | Dutta R.P., Hasan Lab, ACTREC-Tata Memorial Centre, Tata Memorial Centre, Mumbai, India                  | Medical and Health Sciences                | Journal of Pathology and Microbiology                    | 2023 | 0  | 57  |
| Transitioning health to advanced cancer: A case report of a patient with a history of breast cancer  | Handa V., Advanced Centre for Treatment, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India       | Medical and Health Sciences                | The Lancet Regional Health - Southeast Asia              | 2023 | 1  | 36  |
| Impact of a National Program of Monitoring and Reporting of Mortality in India: A Retrospective Analysis of Mortality in India over the Past 15 Years  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Journal of Pathology and Microbiology                    | 2023 | 0  | 44  |
| Triglyceride Resistor A: Non-Overlapping Luciferase Assay for the Measurement of Complex Macrophage Regulation in Cancer Cells   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Mumbai, India                       | Medical and Health Sciences                | Indian Journal of Gastroenterology                       | 2023 | 0  | 245 |
| Accurate depth-gated renal cell carcinoma: A case report of an uncommon renal cancer with metastasis   | Malhotra A., Molecular Functional Imaging Lab, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Indian Journal of Cancer                                 | 2023 | 0  | 44  |
| Validation of PRECISE Version 2.2 in a Retrospective cohort of Indian Women With Ovarian Cancer  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Annals of Diagnostic Pathology                           | 2023 | 2  | 66  |
| Impact of changes in treatment paradigm on survival in patients with advanced esophageal cancer  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Thoracic Oncology                             | 2023 | 0  | 107 |
| Large functional retroperitoneal paraganglioma: A surgical challenge   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 0  | 107 |
| Short-course Palliative Radiotherapy in Radiotherapy in Patients with Prognosis: High-grade Glomic Survival and Quality of Life  | Baviskar V., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Cancer   | 2023 | 2  | 89  |
| Impact of surgical hemodynamic management in cytoreductive surgery with hyperthermic intraperitoneal chemotherapy on postoperative complications   | Baviskar V., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Cancer   | 2023 | 2  | 89  |
| Using a Nominal Group Technique to Develop a Science Communication Curriculum for Healthcare Professionals and Researchers   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Cancer Education   | 2023 | 1  | 52  |
| Design of Clinical Questionnaire and its Application in Cancer Research: A comparative study   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 1  | 85  |
| Effect of oral carcinogens on dental caries: A review of literature  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Dental Research                               | 2023 | 0  | 44  |
| Impact of oral carcinogens on dental caries: A review of literature  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 0  | 44  |
| Treatment of oral cancer with a flexible endotracheal tube: a report of 10 patients  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Oral Pathology and Medicine                   | 2023 | 0  | 44  |
| Reporting Trends, Practices, and Resource Utilization in Neoadjuvant Chemotherapy in Patients Following Curative Radiotherapy  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Oral Rehabilitation                           | 2023 | 0  | 32  |
| Short-course Palliative Radiotherapy in Radiotherapy in Patients with Prognosis: High-grade Glomic Survival and Quality of Life  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 0  | 32  |
| Impact of different intraoperative ultrasound modalities during surgery – A comparative study of factors affecting outcome   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 0  | 19  |
| Prosthetic Management of Flap-Related Complications Following Gastrostomy in Locally Advanced Thoracic Cancer  | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 0  | 127 |
| Impact of different intraoperative ultrasound modalities during surgery – A comparative study of factors affecting outcome   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 0  | 127 |
| Impact of different intraoperative ultrasound modalities during surgery – A comparative study of factors affecting outcome   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 0  | 127 |
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| Impact of different intraoperative ultrasound modalities during surgery – A comparative study of factors affecting outcome   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 0  | 127 |
| Impact of different intraoperative ultrasound modalities during surgery – A comparative study of factors affecting outcome   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 0  | 127 |
| Impact of different intraoperative ultrasound modalities during surgery – A comparative study of factors affecting outcome   | Patkar P.A., Department of Radiation Oncology, Tata Memorial Centre, Tata Memorial Centre, Mumbai, India | Medical and Health Sciences                | Journal of Clinical Oncology                             | 2023 | 0  | 127 |
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| No educational training of para medical professionals in cervical cancer screening  | Rai S., Department of Gynaecological Oncology, Medical and Health Sciences  | Gynecologic Oncology Reports                             | 2023 | 0   | 23  |
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| Outcomes of extended total mesorectal excision in patient with locally advanced rectal cancer   | Saravanan S., Department of Surgical Oncology, Medical and Health Sciences  | Colorectal Disease                                       | 2023 | 4   | 107 |
| Challenges in the Sustainability of Brachytherapy Service in Contemporary Radiotherapy  | Swin I., Department of Radiation Oncology, Medical and Health Sciences  | Clinical Oncology  | 2023 | 5   | 89  |
| Definition of the novel COVID-19 variants and their clinical significance in India  | Tanvir A., Department of Radiology, Tata Memorial Hospital, Mumbai, India   | Journal of Clinical Oncology                             | 2023 | 2   | 107 |
| Defining Cancer Prognostic Factors in Low- and Middle-Income Countries in the COVID-19 Global Context: A Modified Delphi Consensus  | Tanvir A., Department of Radiology, Tata Memorial Hospital, Mumbai, India   | ECP global oncology                                      | 2023 | 0   | 25  |
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| Bi-directional Chemotherapy in Advanced Colorectal Cancer Peritoneal Metastases   | Thatterie A., Unit of Colorectal and Peritoneal Malignancies, Medical and Health Sciences                           | Journal of Cancer  | 2023 | 2   | 26  |
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| Innovative field methods for reducing confounding and updating follow-up status of cancer cases: Experience from rural cancer registry  | Vedula A., Centre for Cancer Epidemiology, Medical and Health Sciences  | Clinical Epidemiology and Global Health                  | 2023 | 0   | 32  |
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| Mutriparative prospective cohort study over 18 years of the risk factors for ventilator-associated pneumonia in 9 Asian countries: INICC- Imaging of Necks in Head and Neck Cancers – A Comprehensive Update  | Rosenthal V.D., Department of Public Health, Medical and Health Sciences  | American Journal of Infection Control                    | 2023 | 1   | 128 |
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| INICC guidelines on acute respiratory distress syndrome: definition, phenotyping and respiratory support strategies   | Graselli L., Department of Anesthesiology, Critical Care and Pain Management, Medical and Health Sciences           | Intensive Care Medicine                                  | 2023 | 191 | 237 |
| First-line azetabazine monotherapy versus single-agent chemotherapy in patients with non-small-cell lung cancer ineligible for treatment  | Das M.S., Department of Medical Oncology, University of Michigan, USA   | The Lancet   | 2023 | 0   | 89  |
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| Pathogenic HER3 domain mutations create a structural bias towards un-conventional EGFR-HER3 signaling axis in breast cancer   | Dey S.G., Department of Functional Imaging Lab, Aditya Birla Hospital, Medical and Health Sciences                  | International Journal of Biological Macromolecules       | 2023 | 2   | 193 |
| Dual-phase computer tomography for localization of pathognomonic lesions in children and adolescents with primary hypothyroidism  | Sharma A., Department of Endocrinology, Sehat Hospital, Medical and Health Sciences                                 | Annals of Endocrinology                                  | 2023 | 2   | 47  |
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| Function Preservation in Head and Neck Cancers  | Budhiraja A., Department of Radiation Oncology, Medical and Health Sciences   | Clinical Oncology  | 2023 | 2   | 89  |
| First-line azetabazine monotherapy versus single-agent chemotherapy in patients with non-small-cell lung cancer ineligible for treatment  | Lee S.M., Department of Medical Oncology, University of Michigan, USA   | The Lancet   | 2023 | 36  | 895 |
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| Multiple dual learning framework captures systemic immune features in lymph nodes predictive of triple negative breast cancer outcome   | Verghese G., Cancer Prevention Research School, Tata Memorial Hospital, Mumbai, India                               | Journal of Pathology                                     | 2023 | 6   | 305 |
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| PARP-1 Inhibition: A Novel Therapeutic Strategy for Endometrial Cancer  | Patel A., Department of Preventive Oncology, Medical and Health Sciences  | Tropical Medicine and International Health               | 2023 | 2   | 136 |
| Role of verbal autopsy in cancer registration: A mixed methods study from the population-based cancer registry of Northern India  | Ishwani D., Department of Preventive Oncology, Tata Memorial Hospital, Mumbai, India                                | Medical and Health Sciences                              | 2023 | 0   | 89  |
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| Development of biostress training models for anatomical suturing in pancreatic surgery  | Karadza E., Department of General, Visceral, and Thoracic Surgery, Medical and Health Sciences                      | HPB  | 2023 | 6   | 91  |
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| Tumour molecular profiling of solid tumours: Indian tertiary cancer centre experience   | Gururaj M., Department of Molecular Pathology Laboratory, Tata Memorial Hospital, Mumbai, India                     | Journal of Cancer Research and Clinical Oncology         | 2023 | 3   | 109 |
| Effect of hyperthermic intraperitoneal chemotherapy on survival and recurrence rates in advanced gastric cancer: a systematic review and meta-analysis  | Patel M., Department of General Surgery, Tata Memorial Hospital, Mumbai, India                                      | International journal of surgery (London, England)       | 2023 | 3   | 87  |
| A dosimetric comparison of systemic peptide receptor radiotherapy and intra-arterial peptide receptor radionuclide therapy in a cohort of patients with non-metastatic colorectal cancer  | Nauhar A., Advanced Center for Treatment, Research and Education, Medical and Health Sciences                       | Nuclear Medicine Communications                          | 2023 | 1   | 82  |
| Brachytherapy for Organ and Function Preservation in Soft Tissue Sarcomas in Adult and Paediatric Patients  | Lasker S., Department of Radiation Oncology, Medical and Health Sciences  | Cancer   | 2023 | 1   | 89  |
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| Imaging Recommendations for Diagnosis, Staging, and Management of Hereditary Melanocytosis  | Mathew J., Department of Radiology, Tata Memorial Hospital, Mumbai, India   | European Journal of Surgery                              | 2023 | 0   | 51  |
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| Effect of hyperthermic intraperitoneal chemotherapy on survival and recurrence rates in advanced gastric cancer: a systematic review and meta-analysis  | Patel M., Department of General Surgery, Tata Memorial Hospital, Mumbai, India                                      | ESMO Open  | 2023 | 6   | 62  |
| A dosimetric comparison of systemic peptide receptor radiotherapy and intra-arterial peptide receptor radionuclide therapy in a cohort of patients with non-metastatic colorectal cancer  | Nauhar A., Advanced Center for Treatment, Research and Education, Medical and Health Sciences                       | Cancer Medicine  | 2023 | 0   | 84  |
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| Demographic Profiles and Survival Outcomes of Patients With Unresectable Uterine Adenocarcinoma: A Rare Tumor of the Uterine Remnant  | Ramanathan J., Department of Palliative Oncology, Tata Memorial Hospital, Mumbai, India                             | Head and Neck  | 2023 | 1   | 147 |
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| Role of Education and Income on Disparity of Time-to-Treatment Initiation and its Impact on Cervical Cancer Survival  | Swarjanji K., Division of Head and Neck Surgery, Tata Memorial Hospital, Mumbai, India                              | Journal of Public Health                                 | 2023 | 2   | 35  |
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| Imaging Recommendations for Diagnosis, Staging, and Management of Hereditary Melanocytosis  | Gubha D., Department of Radiodiagnosis, Tata Memorial Hospital, Mumbai, India                                       | Indian journal of Medical and Paediatric Oncology        | 2023 | 1   | 35  |
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| Challenging in oncology: are we closing the gender gap? Results of the new EMN Women for Oncology Committee Survey  | Linardou H., Department of Radiation Oncology, Tata Memorial Hospital, Mumbai, India                                | Journal of Pediatric Hematology/Oncology                 | 2023 | 4   | 86  |
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| Impact of adjuvant chemoradiotherapy in locally advanced head and neck cancers post-radical chemotherapy in platinum refractory/early/late ovarian cancer   | Patil D., Department of Radiation Oncology, Tata Memorial Hospital, Mumbai, India                                   | Journal of Pediatric Hematology/Oncology                 | 2023 | 1   | 35  |
| Development and characterization of a patient-specific treatment of therapy-resistant breast cancer   | Patil D., Department of Radiation Oncology, Tata Memorial Hospital, Mumbai, India                                   | Journal of Clinical Oncology                             | 2023 | 1   | 115 |
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| Utopic 2 inhibits actin gluthathione transferase to promote invasion and migration  | Choudhury B.S., Cell and Tissue Biology, Aditya Birla Hospital, Mumbai, India                                       | FEBS Letters   | 2023 | 2   | 263 |
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| Optimizing Target Volume for Adjacent Radiation Therapy in Penile Cancer  | Khadilkar V., Department of Radiation Oncology, Tata Memorial Hospital, Mumbai, India                               | Practical Radiation Oncology                             | 2023 | 0   | 51  |
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| Imaging-Based Patterns of Response and Response Evaluation Criteria in Solid Tumors (RECIST) Version 1.1  | Mitsudomi T., Division of Thoracic Surgery, Tata Memorial Hospital, Mumbai, India                                   | Journal of Personalized Medicine                         | 2023 | 0   | 51  |
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| Perirectal inflammatory myofibroblastic tumor in an infant: Case Report with Review of Literature   | Tambe M., Department of Pathology, Tata Memorial Hospital, Mumbai, India  | Indian journal of Medical and Pediatric Oncology         | 2023 | 0   | 36  |
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| Exploring the implications of modified lung cancer infiltration index outcome in patients with advanced non-small cell lung cancer  | Patil D., Department of Clinical Development, Tata Memorial Hospital, Mumbai, India                                 | Exploration of Targeted Anti-tumor Therapy               | 2023 | 1   | 16  |
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| The Curing Convalescence® Concerns in the Indian Subcontinent   | Kapoor I., Department of Neurooncopathology  | Medical and Health Sciences                    | Indian Journal of Critical Care Medicine  | 2023 | 1  | 40   |
| Prospective Study of Incidence and Impact of Comorbidities on Breast Cancer Survival from India   | Wadudawala T., Department of Radiation Oncology  | Medical and Health Sciences                    | Asian Pacific Journal of Cancer Prevention  | 2023 | 1  | 91   |
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| Identification of the novel HLA-B*02:03 allele in an individual from a tribal group from TRIPURA - a single centre retrospective study over 26 years            | Tambe M., Advanced Center for Treatment, Tata Memorial Centre                                      | Medical and Health Sciences                    | HLA   | 2023 | 2  | 107  |
| Splenectomy and Ductal Pancreas Endoscopy: Surgical Anatomy and Technique Specific to Advanced Ovarian Cancer   | Poddar J., Department of Gynecological Oncology  | Medical and Health Sciences                    | Indian Journal of Surgical Oncology   | 2023 | 0  | 24   |
| Pediatric cancer-associated thrombosis: Analysis from tertiary care center in India   | Dharwari N., Division of Pediatric Oncology  | Medical and Health Sciences                    | Pediatric Blood and Cancer  | 2023 | 0  | 128  |
| Biostatistical Effects of Biological Dose Determination in Immunotherapy Response Trial   | Dey A., Molecular Biology Division, Indian Institute of Technology Bombay                          | Medical and Health Sciences                    | Annals of Data Science  | 2023 | 0  | 27   |
| Development of a rapid and cost-sensitive RNA-DNA hybrid bioassay-based biosensor for visual detection of SARS-CoV-2 RNA  | Banerjee S., Department of Mathematics and Computing   | Medical and Health Sciences                    | Frontiers in Bioengineering and Biotechnology   | 2023 | 3  | 136  |
| Identification of a novel HLA-B*02:03 allele in an individual from a tribal group from TRIPURA - a single centre retrospective study over 26 years              | Trinchi M., Advanced Centre for Treatment, Tata Memorial Centre                                    | Medical and Health Sciences                    | HLA   | 2023 | 2  | 107  |
| The novel HLA-B*02:03 allele in an individual from Uttar Pradesh, India   | Pinto A.J., Advanced Centre for Treatment, Tata Memorial Centre                                    | Medical and Health Sciences                    | HLA   | 2023 | 2  | 107  |
| Screening for Retinoblastoma: Revisiting the Pidgeon Passage Diagnostic Test  | Ravinder S., Advanced Centre for Treatment, Tata Memorial Centre                                   | Medical and Health Sciences                    | ACS Omega   | 2023 | 4  | 38   |
| Multisite prospective cohort study of rates and risk factors for ventilator associated pneumonia over 24 years in 42 countries of Asia                          | Rosenthal V.D., Department of Public Health  | Medical and Health Sciences                    | American Journal of Stewardship and Healthcare Epidemiology   | 2023 | 7  | 8    |
| Phase I trial of a novel chemotherapy regimen (Cyclophosphamide, vinorelbine, etoposide and prednisone) for acquired immunodeficiencies                         | Segev A., Department of Medical Oncology   | Medical and Health Sciences                    | British Journal of Haematology  | 2023 | 0  | 208  |
| MR imaging-based risk stratification scoring system to predict clinical outcomes in cardiac torus bodies  | Mahajan A., Department of Imaging, The Clue  | Medical and Health Sciences                    | Frontiers in Oncology   | 2023 | 0  | 136  |
| Primary Nonnodal, Extragonadal, Immature Teratoma of the Pelvis with Axillary Nodal Metastasis: A Rare Case Report and Review of Literature                     | Albuquerque L., Department of Evidence-Based Medicine  | Medical and Health Sciences                    | Indian Journal of Medical and Paediatric Oncology   | 2023 | 0  | 35   |
| Low-Value Surgical Procedures in Low- and Middle-Income Countries: A Systematic Scoping Review  | Shah S., Department of Radiology   | Medical and Health Sciences                    | Journal of Clinical Oncology  | 2023 | 0  | 23   |
| Translation and validation of the revised American Pain Society Outcome Questionnaire (APS-ODI) for evaluating the effectiveness of pain relief                 | Naik N.S., Department of Medical Oncology  | Medical and Health Sciences                    | South Asian Journal of Cancer   | 2023 | 0  | 23   |
| Patient-Related Awareness of Impact of Cancer-Directed Therapy on Fertility in Young Women Diagnosed of Breast Cancer   | Ramanathan A., Department of Paediatric Oncology   | Medical and Health Sciences                    | ecancermedicscience   | 2023 | 1  | 47   |
| Outcome and prognostic variables in childhood rhabdomyosarcoma (RMS) with emphasis on genetic fusions in non-metastatic RMS                                     | Saha S., Department of Radiology   | Medical and Health Sciences                    | ecancermedicscience   | 2023 | 0  | 47   |
| Neoadjuvant chemotherapy in a rare type of very locally advanced bronchogenic carcinoma – results from a tertiary care center                                   | Deo D., Department of Thoracic Oncology  | Medical and Health Sciences                    | Exploration of Targeted Anti-tumor Therapy  | 2023 | 2  | 19   |
| Deep learning based automated epithelial growth factor receptor and anaplastic lymphoma kinase status prediction of brain metastases                            | Mahajan A., Clatterbridge Centre for Oncology  | Medical and Health Sciences                    | Cancer Research, Statistics, and Treatment  | 2023 | 2  | 21   |
| Prevalence and factors associated with family history of cancer among adults with cancer: A single center cross-sectional study from India                      | Rao A.M., Department of General Surgery  | Medical and Health Sciences                    | Cancer Research, Statistics, and Treatment  | 2023 | 0  | 21   |
| Psychosocial/Sleepive Care in Head and Neck Cancer Patients Undergoing Radiation Therapy: A Randomized Controlled Trial   | Entwistle S., Department of Radiation Oncology   | Medical and Health Sciences                    | Cancer Research, Statistics, and Treatment  | 2023 | 0  | 21   |
| High grade sarcoma of the head and neck: An unusual case illustrating the challenges faced by the pathologist at a diagnosis                                    | Fusilli A., Department of Head Neck Oncology   | Medical and Health Sciences                    | Journal of Head and Neck Physicians and Surgeons  | 2023 | 0  | 25   |
| Randomized controlled trials evaluating anticancer therapies in hematological cancers: an overview of global research activity                                  | Tengler M., Tata Memorial Centre, Mumbai   | Medical and Health Sciences                    | ecancermedicscience   | 2023 | 1  | 47   |
| Developing Standard Treatment Workflows – was it universal healthcare in India  | Grover A., Division of NCD, Indian Council of Medical Sciences                                     | Medical and Health Sciences                    | Frontiers in Public Health  | 2023 | 1  | 103  |
| Advanced Techniques in Head and Neck Cancer Imaging: Guide to Precision Cancer Management   | Jayaram A., Department of Radiology  | Medical and Health Sciences                    | Critique Reviews in Oncogenesis   | 2023 | 2  | 57   |
| Outcomes and prognostic factors of patients with Extramedullary NK T cell lymphoma (ENTLK)  | Rajendra A., Department of Radiology   | Medical and Health Sciences                    | Leukemia and Lymphoma   | 2023 | 0  | 102  |
| Computerized tomography-based first order tumor features in non-small cell lung carcinoma treated with concurrent chemoradiation                                | Navia P., Department of Radiation Oncology   | Medical and Health Sciences                    | Journal of Cancer Research and Therapeutics   | 2023 | 3  | 51   |
| Deep proteome investigation of high grade gliomas reveals heterogeneity driving differential metabolism of 5-aminoimidazole-4-carboxamide ribonucleotide kinase | Ghantua S., Centre for Research in Nano Tech   | Medical and Health Sciences                    | Neuro Oncology Advances   | 2023 | 3  | 24   |
| A retrospective observational study to evaluate the reliability of staging and risk stratification of adolescent and adult patients with Hodgkin lymphoma       | Agarwal U., Department of Radiodiagnosis   | Medical and Health Sciences                    | Cancer Research, Statistics, and Treatment  | 2023 | 0  | 21   |
| Intraparenchymal nerve monitoring during minimally invasive Esophagectomy and 3 Field Lymphadenectomy: Safety, Efficacy, and Feasibility                        | Singh A.K., Department of Thoracic Surgery   | Medical and Health Sciences                    | Journal of Chest Surgery  | 2023 | 0  | 5    |
| MTS neutropur vs heated humidifier on endotracheal tube patency in spontaneously breathing intubated patients: A prospective, randomized controlled trial       | Patti V., Department of Anesthesia, Critical Care and Pain Medicine                                | Medical and Health Sciences                    | Journal of Anesthesiology Clinical Pharmacology   | 2023 | 0  | 42   |
| Pro-angiogenic effect of a synthetic Cullin 3 complex (Cullin 3-LH) in tauromeric thiotaurate form of 2-(ethoxybenzyl)benzyl dihydro-3-thiophenyl               | Singh S., Department of Chemistry, The University of Texas at Austin                               | Medical and Health Sciences                    | Polyhedron  | 2023 | 2  | 108  |
| A not always benign plural tumor  | Shah D., Senior Consultant Radiologist, Department of Radiology                                    | Medical and Health Sciences                    | Cancer Research, Statistics, and Treatment  | 2023 | 0  | 21   |
| Unusual presentation of primary malignant melanoma in elderly patients with breast cancer: Insights into disease progression                                    | Deo D., Department of Radiology  | Medical and Health Sciences                    | Hematology, Transfusion and Cell Therapy  | 2023 | 0  | 26   |
| HBO blood glucose differences in blood donor and patient samples at a tertiary care oncology centre: analysis and serological resolution                        | Thiagarajan S., Department of Head and Neck Oncology   | Medical and Health Sciences                    | Frontiers in Public Health  | 2023 | 0  | 47   |
| Application of fluorescence reference to Sri Lankan hepatic: an innovative tool developed to merge population-based registry data                               | Sawant R., Department for Cancer Epidemiology  | Medical and Health Sciences                    | Exploration of Targeted Anti-tumor Therapy  | 2023 | 2  | 15   |
| Effectiveness of treatment on COVID-19 pandemic on adjuvant therapy for oral cancer: A matched pair analysis  | Fusilli A., Department of Head Neck Oncology   | Medical and Health Sciences                    | Cancer Research, Statistics, and Treatment  | 2023 | 0  | 21   |
| Deep learning based clinical-radiological model for paediatric brain tumor detection and subtype prediction   | Mahajan A., Clatterbridge Centre for Oncology  | Medical and Health Sciences                    | Exploration of Targeted Anti-tumor Therapy  | 2023 | 2  | 15   |
| MTS neutropur vs heated humidifier on endotracheal tube patency in spontaneously breathing intubated patients: A prospective, randomized controlled trial       | Kaur J., Department of Medical Oncology, Tata Memorial Centre                                      | Medical and Health Sciences                    | Cancer Research, Statistics, and Treatment  | 2023 | 2  | 21   |
| Validation of the hospital anxiety depression scale - Marathi version in detecting anxiety and depression in cancer patients and caregivers                     | Deshpande A., Department of Radiodiagnosis   | Medical and Health Sciences                    | Indian Journal of Cancer  | 2023 | 1  | 44   |
| Bare kidney tumor   | Agarwal U., Department of Radiodiagnosis   | Medical and Health Sciences                    | Cancer Research, Statistics, and Treatment  | 2023 | 0  | 21   |
| A Proposal for Oesophagus Fistula Gradings Following Oral Cancer Surgery  | Thiagarajan S., Department of Head and Neck Oncology   | Medical and Health Sciences                    | Indian Journal of Surgical Oncology   | 2023 | 0  | 24   |
| Development and validation of deep learning and BERT models for classification of lung cancer radiology reports   | Mithun S., Department of Radiation Oncology  | Medical and Health Sciences                    | Informatics in Medicine Unlocked  | 2023 | 5  | 53   |
| Second stem cell transplantation for treatment of relapsed/refractory multiple myeloma after first autologous stem cell transplant: A 15-year experience        | Yadav N., Department of Hematology and Bone Marrow Transplantation                                 | Medical and Health Sciences                    | Indian Journal of Cancer  | 2023 | 0  | 44   |
| Effectiveness of a Decision Aid Standard Care in Surgical Management Among Patients With Early Breast Cancer A Randomized Clinical Trial                        | Pillai S., Department of General Surgery   | Medical and Health Sciences                    | Journal of Cancer   | 2023 | 7  | 47   |
| Cancer incidence estimates in adults aged 60 years and older living in low- and middle-income countries for the years 2020 and 2040                             | Mitton N., Department of Radiation Oncology  | Medical and Health Sciences                    | Journal of Cancer   | 2023 | 0  | 21   |
| GRADS: Global Radiomic Database for Cancer  | Chakraborty S., Department of Radiomics  | Medical and Health Sciences                    | Journal of Radiomics  | 2023 | 2  | 105  |
| Characteristics, profile, management and follow-up of methotrexate-induced myelopathy in children with acute lymphoblastic leukaemia                            | Sabu T.M., Department of Medical Oncology  | Medical and Health Sciences                    | Cancer Research, Statistics, and Treatment  | 2023 | 3  | 21   |
| Urinary excretion in elderly Indian patients with cancer: A cross sectional observational study   | Chakraborty S., Integrated Cancer Genomics   | Medical and Health Sciences                    | Frontiers in Oncology   | 2023 | 3  | 177  |
| Describing the mechanism of action of paclitaxel in breast cancer   | Ghosh A., Department of Paediatric Oncology  | Medical and Health Sciences                    | Progress in Palliative Care   | 2023 | 2  | 22   |
| Parent's experiences with communication in advanced pediatric cancers   | Ghosh A., Department of Paediatric Oncology  | Medical and Health Sciences                    | Indian Journal of Pathology and Microbiology  | 2023 | 0  | 18   |
| Epidemiological trophoblastic tumor: A case series  | Thiagarajan S., Department of Head and Neck Oncology   | Medical and Health Sciences                    | Journal of Medical Virology   | 2023 | 2  | 154  |
| Health-related Quality of Life (HRQoL) Using EQ-5D-5L: Value Set Derived for Indian Breast Cancer Cohort  | Wadudawala T., Advanced Center for Treatment   | Medical and Health Sciences                    | Asian Pacific Journal of Cancer Prevention  | 2023 | 4  | 91   |
| A rare case of plasmablastic lymphoma of the ovary with synchronous lung malignancy   | Kale S., Department of Nuclear Medicine and PET  | Medical and Health Sciences                    | Indian Journal of Nuclear Medicine  | 2023 | 0  | 18   |
| Comparison of Outcomes of Nodal Lymphocyte Infusions With or Without Lenalidomide in Patients with Hematological Malignancies                                   | Punia S., Stem Cell Transplantation Unit, Department of Hematology and Bone Marrow Transplantation | Medical and Health Sciences                    | Journal of Hematology and Blood Transfusion   | 2023 | 1  | 22   |
| Validation of Remote Digital Pathology based diagnostic reporting of Fusions from Sections  | Kausik R.K., Department of Pathology   | Medical and Health Sciences                    | Journal of Pathology Informatics  | 2023 | 2  | 28   |
| Barriers to access to oncology drugs – a global crisis  | Barrios C., Grupo Oncologico de Pesquisas en Endocrinologia  | Medical and Health Sciences                    | Nature Reviews Clinical Oncology  | 2023 | 26 | 217  |
| A novel nurse-coordinator home model for palliative care in advanced cancer: A pilot intervention study from suburban Mumbai                                    | Ghosh A., Department of Palliative Medicine  | Medical and Health Sciences                    | Progress in Palliative Care   | 2023 | 0  | 22   |
| Find new aspiration cytology of a superficial C034-positive fibroblastic tumor, including differential diagnoses and recent updates                             | Rakha B., Department of Pathology  | Medical and Health Sciences                    | Cytopathology   | 2023 | 2  | 54   |
| Recent advances in airway management  | Myers N., Department of Anesthesiology   | Medical and Health Sciences                    | Indian journal of Anaesthesia   | 2023 | 1  | 44   |
| Identification of the novel HLA-B*01:01:01 allele in an individual from Uttar Pradesh, North India  | Pinto A.S., Advanced Center for Treatment  | Medical and Health Sciences                    | FEBS Letters  | 2023 | 2  | 177  |
| Frequency of HLA alleles and HLA ligands in Indian populations  | Thiagarajan S., Department of Head and Neck Oncology   | Medical and Health Sciences                    | Journal of Clinical Biochemistry and Nutrition  | 2023 | 0  | 177  |
| Frequency of HLA alleles and HLA ligands in Indian populations  | Thiagarajan S., Department of Head and Neck Oncology   | Medical and Health Sciences                    | Journal of Clinical Biochemistry and Nutrition  | 2023 | 0  | 177  |
| Management of teratocarcinoma in patients with undifferentiated testes – a challenging but rewarding task: experience from a tertiary care center               | Orsi S.Z., Department of Hematology and Bone Marrow Transplantation                                | Medical and Health Sciences                    | Journal of Hematology and Blood Transfusion   | 2023 | 0  | 25   |
| Outcomes of electrosurgical coagulation hamartoma buccal pouch model: Exploring early diagnostic capability   | Ajithkumar A., Department of Medical Oncology  | Medical and Health Sciences                    | Journal of Raman Spectroscopy   | 2023 | 1  | 130  |
| Clinical Profile, Practice Pattern, and Outcomes With First-Line Therapy in ALK-Positive Lung Cancer: Real-World Data From Resource-Constrained Settings        | Kiranay A., Department of Radiation Oncology   | Medical and Health Sciences                    | ITD Clinical and Research Report  | 2023 | 2  | 18   |
| Institutional Patterns of Care of Diffuse Cutaneous Psoriasis: A Global Survey  | Krishnayya R., Department of Radiation Oncology  | Medical and Health Sciences                    | Neurology India   | 2023 | 1  | 54   |
| In silico structural analysis to assess pathogenicity of mutations identified in the evolutionarily conserved regions   | Das S., Advanced Center for Treatment  | Medical and Health Sciences                    | Journal of Biomolecular Structure and Dynamics  | 2023 | 7  | 87   |
| National Cancer Grid Virtual Tumor Board of Head and Neck Cancers: An Innovative Approach to Multidisciplinary Care   | Thiagarajan S., Department of Head and Neck Oncology   | Medical and Health Sciences                    | ICO global oncology   | 2023 | 7  | 39   |
| Combined fissural plane block as the sole regional anesthesia technique for breast surgery in high-risk patients  | Tembhurne A.K., ICMR-National Institute for Research in Reproduction                               | Medical and Health Sciences                    | Journal of Anesthesiology Clinical Pharmacology   | 2023 | 2  | 42   |
| Histopathology of the Head and Neck Region Mimicking Malignancy: A Clinicopathological Perspective  | Mitul N., Department of Pathology, Tata Memorial Centre  | Medical and Health Sciences                    | Turk Patoloji Dergisi   | 2023 | 1  | 18   |
| An approach to use whole exome DNA and RNA workflow for cancer biomarker identification   | Paulini V.S., Tata Memorial Hospital and Homi Bhabha Research Institute                            | Medical and Health Sciences                    | Frontiers in Oncology   | 2023 | 0  | 136  |
| EBR site-to-site evaluation of low dose irradiation: Is it enough and adequate to reduce leukemia and high-grade lymphoma                                       | Thiagarajan S., Department of Head and Neck Oncology   | Medical and Health Sciences                    | Journal of Hematology   | 2023 | 0  | 146  |
| Modified FOUPRINOC compared to Gemcitabine & Nab-Paclitaxel in advanced pancreatic ductal adenocarcinoma : Results of a phase II study                          | Patra A.K., Department of Radiation Oncology   | Medical and Health Sciences                    | Journal of Hematology   | 2023 | 0  | 154  |
| EBR site-to-site evaluation of low dose irradiation: Is it enough and adequate to reduce leukemia and high-grade lymphoma                                       | Thiagarajan S., Department of Head and Neck Oncology   | Medical and Health Sciences                    | Journal of Hematology   | 2023 | 0  | 154  |
| Characterization of the novel HLA allele, HLA-B*07:04:01:19, in an individual from Maharashtra, India   | Parasurama B.S., Advanced Center for Treatment   | Medical and Health Sciences                    | Journal of Personalized Medicine  | 2023 | 2  | 11   |
| Serum Raman spectroscopy in experimental carcinogenesis hamster buccal pouch model: Exploring early diagnostic capability                                       | Jayadev A., Department of Radiology  | Medical and Health Sciences                    | Communications in Statistics: Simulation and Computation  | 2023 | 1  | 53   |
| Clinical Profile, Practice Pattern, and Outcomes With First-Line Therapy in ALK-Positive Lung Cancer: Real-World Data From Resource-Constrained Settings        | Kiranay A., Department of Radiation Oncology   | Medical and Health Sciences                    | Frontiers in Oncology   | 2023 | 0  | 136  |
| Analysis of image quality by regulating beta form of BBRM recognition algorithm and conventional convolutional neural network                                   | Devred P., Advanced Center for Treatment   | Medical and Health Sciences                    | Frontiers in Medical and Health Sciences  | 2023 | 0  | 46   |
| Alpha-horn's study to evaluate the efficacy of low dose irradiation. Is it enough and adequate to reduce leukemia and high-grade lymphoma                       | Thiagarajan S., Department of Head and Neck Oncology   | Medical and Health Sciences                    | Frontiers in Medical and Health Sciences  | 2023 | 0  | 103  |
| Modified FOUPRINOC compared to Gemcitabine & Nab-Paclitaxel in advanced pancreatic ductal adenocarcinoma : Results of a phase II study                          | Patra A.K., Department of Radiation Oncology   | Medical and Health Sciences                    | Frontiers in Medical and Health Sciences  | 2023 | 0  | 136  |
| EBR site-to-site evaluation of low dose irradiation: Is it enough and adequate to reduce leukemia and high-grade lymphoma                                       | Thiagarajan S., Department of Head and Neck Oncology   | Medical and Health Sciences                    | Journal of Hematology   | 2023 | 0  | 154  |
| Characterization of the novel HLA allele, HLA-B*07:04:01:19, in an individual from Maharashtra, India   | Parasurama B.S., Advanced Center for Treatment   | Medical and Health Sciences                    | Journal of Personalized Medicine  | 2023 | 2  | 11   |
| Serum Raman spectroscopy in experimental carcinogenesis hamster buccal pouch model: Exploring early diagnostic capability                                       | Jayadev A., Department of Radiology  | Medical and Health Sciences                    | Frontiers in Medical and Health Sciences  | 2023 | 0  | 136  |
| Real-world clinical practice and outcomes in stage III non-small cell lung cancer: KINDLE-Asia subset   | Prabhakar S., Advanced Center for Treatment  | Medical and Health Sciences                    | Frontiers in Oncology   | 2023 | 3  | 136  |
| Multi-modality liver directed treatment for colorectal liver metastasis: Array of complementary options can improve outcomes - A single institution analysis    | Patra S., GI and HPB Service, Department of General Surgery  | Medical and Health Sciences                    | Frontiers in Oncology   | 2023 | 1  | 136  |
| Real-world analysis of the use of lenilumab in differentiated thyroid carcinoma   | Peeling Y., Department of Medical Oncology   | Medical and Health Sciences                    | ecancermedicscience   | 2023 | 0  | 47   |
| Palliative care needs assessment in patients with metastatic and locally advanced neoplastic cancer   | Jayadev A., Department of Radiology  | Medical and Health Sciences                    | Progress in Palliative Care   | 2023 | 0  | 22   |
| A pre-existing combination of resveratrol and curcumin reduces chemotherapeutic-related non-hematological toxicities in advanced gastric cancer                 | Patra A.K., Department of Radiation Oncology   | Medical and Health Sciences                    | Medical Oncology  | 2023 | 10 | 93   |
| Identification of HLA-C*03:03 novel allele variant in two South Indian individuals in a Brahmin family  | Patra A.K., Department of Radiation Oncology   | Medical and Health Sciences                    | Chitonge  | 2023 | 2  | 107  |
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| Qualitative evaluation of sub-mesh reinforcement in mesh inguinal hernia repair   | Patra A.K., Department of Radiation Oncology   | Medical and Health Sciences                    | Journal of Personalized Medicine  | 2023 | 2  | 11   |
| Explaining quantum diffusion in lead shells leading to the formation of the 2D  | Arora S., Variable Energy Cyclotron Centre, Department of Physics                                  | Physical Sciences                              | Journal of Physical Chemistry A   | 2023 | 0  | 177  |
| Proton irradiation, teletherapy and corrosion characteristics of Fe-Ni alloyed ODS alloys   | Arora S., Department of Metallurgical and Materials Engineering                                    | Physical Sciences                              | Physical Review C   | 2023 | 2  | 238  |
| Development and performance studies of a real-size passive Plate Chamber (tested at Gif + Cern, CERN for CRUM-MuCh at FAIR, Germany)                            | Ganai S., Department of Physics, University of Hyderabad   | Physical Sciences                              | Transactions on Electrical and Electronic Materials   | 2023 | 0  | 29   |
| Pairing phase transition in an odd-even odd nuclei  | Ganai S., Department of Physics, University of Hyderabad   | Physical Sciences                              | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023 | 0  | 184  |
| Particle identification at VAMOS++ with machine learning techniques   | Ganai S., Department of Physics, University of Hyderabad   | Physical Sciences                              | Nuclear Instruments and Methods in Physics Research, Section B: Beam Interactions with Mates                                    | 2023 | 1  | 131  |
| Preparation of enriched boron (11B, 10B) targets using sedimentation method on polymer backing  | Mondal Saha R., Variable Energy Cyclotron Centre, Department of Physics                            | Physical Sciences                              | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023 | 0  | 181  |
| Suppression of spin polarization as an indicator of QCD critical point  | Singh S.K., Variable Energy Cyclotron Centre, Department of Physics                                | Physical Sciences                              | European Physical Journal C   | 2023 | 2  | 193  |
| Investigation of Nonlinearity in ZnO Varistor Ceramics Based on Defect Characterization   | Patra A.K., Variable Energy Cyclotron Centre, Department of Physics                                | Physical Sciences                              | Frontiers in Physics  | 2023 | 0  | 136  |
| Wearability, Correlation and Correlation characteristics of Fe-Ni alloyed ODS alloys  | Arora S., Department of Metallurgical and Materials Engineering                                    | Physical Sciences                              | Materials Today Communications  | 2023 | 1  | 55   |
| Development and performance studies of a real-size passive Plate Chamber (tested at Gif + Cern, CERN for CRUM-MuCh at FAIR, Germany)                            | Ganai S., Department of Physics, University of Hyderabad   | Physical Sciences                              | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023 | 0  | 184  |
| Enhanced symmetry energy may bear universality of p- processes abundances   | Patra A.K., Variable Energy Cyclotron Centre, Department of Physics                                | Physical Sciences                              | Journal of Physics: Condensed Matter  | 2023 | 1  | 102  |
| Frequency mixing property of electron cloud in a Penning trap at room temperature   | Nandi J., Variable Energy Cyclotron Centre, Department of Physics                                  | Physical Sciences                              | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, Detectors and Associated Equipment | 2023 | 1  | 181  |
| Theoretical calculation of adsorption of molecular hydrogen in monolayer ZnO  | Ghosh S., Variable Energy Cyclotron Centre, Department of Physics                                  | Physical Sciences                              | Journal of Applied Physics  | 2023 | 4  | 350  |
| Scintillation quantifying mode in a detector  | Ghosh S., Variable Energy Cyclotron Centre, Department of Physics                                  | Physical Sciences                              | Physical Review E   | 2023 | 1  | 325  |
| Jeff the mutant: A mutation in Jeff2 Nucleophosmin 2 Impairs Lysosomal Acid Lipase Activity: The Role of Sulfur Defects   | Patra A.K., Department of Radiation Oncology   | Medical and Health Sciences                    | ACS Applied Materials and Interfaces  | 2023 | 1  | 44   |
| Implementation of FRIDA based real-time digital data for high resolution, and high count rate nuclear spectroscopy application                                  | Kumar Prashad A., Variable Energy Cyclotron Centre, Department of Physics                          | Physical Sciences                              | Journal of Instrumentation  | 2023 | 1  | 88   |
| Impact of vericity and viscosity on the hydrodynamic evolution of hot OCO medium  | Sabu S., Department of Physics, Indian Institute of Technology Bombay                              | Physical Sciences                              | European Physical Journal C   | 2023 | 1  | 193  |
| High-energy heavy ion collisions in the ALICE experiment at LHC: CERN—an overview   | Chattopadhyay S., Variable Energy Cyclotron Centre, Department of Physics                          | Physical Sciences                              | European Physical Journal: Special Topics   | 2023 | 1  | 91   |
| Medium effects in the MIT 10T MRI model for quark matter: Self-consistent thermodynamical treatment   | Patra A.K., Department of Physics and Astronomical Sciences  | Physical Sciences                              | Physical Review D   | 2023 | 1  | 398  |
| Enhanced symmetry energy may bear universality of p- processes abundances   | Patra A.K., Department of Physics and Astronomical Sciences  | Physical Sciences                              | Monthly Notices of the Royal Astronomical Society   | 2023 | 2  | 372  |
| Diffusion dynamics of C on film by mass loss by ion implantation and study their electrical and optical properties  | Patra A.K., Department of Physics and Astronomical Sciences  | Physical Sciences                              | Thin Solid Films  | 2023 | 0  | 213  |
| Nanomechanical properties of cholesterol-rich domains in mice-supported lipid bilayer: an atomic force microscopy study   | Bhowmik D., Department of Physics, Indian Institute of Technology Bombay                           | Physical Sciences                              | Bulletin of Materials Science   | 2023 | 1  | 83   |
| Systematic study of precision neutron multiplicity: Revealing the entrance channel magnetism  | Tambe M., Department of Physics, Tata Memorial Centre  | Physical Sciences                              | Physics Letters, Section B: Nuclear, Elementary Particle and High-Energy Physics  | 2023 | 0  | 263  |
| Development of an Advanced, Multi-Function, Multi-DAQ Compatible Data Sorting and Analysis Software Suite-BINDAS  | Nayak S.S., Variable Energy Cyclotron Centre, Department of Physics                                | Physical Sciences                              | IEEE Transactions on Nuclear Science  | 2023 | 1  | 134  |

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| Magnetic properties of defects induced $\beta$ -Ga2O3: A first principles study   | Naveja A.K., Department of Physics, Dumb Dum               | Physical Sciences               | Computational Condensed Matter   | 2023 | 4    | 26  |
| Universal transition of spectrum fluctuations in particle-hole-symmetric system   | Mondal T., Variable Energy Cyclotron Centre                | Physical Sciences               | European Physical Journal B  | 2023 | 0    | 139 |
| Effect of various perturbation scenarios on anisotropic flow and particle production using UrQMD hybrid model   | Kunji S.K., Department of Physics, School of               | Physical Sciences               | Nuclear Physics A  | 2023 | 0    | 174 |
| Post-annihilation studies of methanolamine lead boronate perovskite   | Moshat S., Variable Energy Cyclotron Centre                | Physical Sciences               | Physica Scripta  | 2023 | 1    | 97  |
| U/g yields in low energy nuclear collisions at SPS and FAIR: A baseline estimation  | Chatterjee S., Department of Physics, Bose Institute       | Physical Sciences               | Nuclear Physics A  | 2023 | 1    | 174 |
| Test and characterization of STs/MuSi-XTER and integration with multiple detectors of CBM MuSi detector systems   | Saini J., Variable Energy Cyclotron Centre, Se             | Physical Sciences               | Journal of Instrumentation   | 2023 | 0    | 83  |
| Coincidence of single-particle and collective excitation in Ni II   | Bhatnagar S., Department of Physics, Florida               | Physical Sciences               | Physical Review C  | 2023 | 2    | 238 |
| Magnetic properties of transition metal ion-doped AgCl: an ab initio calculation  | Ghosh S., Variable Energy Cyclotron Centre                 | Physical Sciences               | Philosophical Magazine   | 2023 | 0    | 123 |
| Development of a water-based cooling system for the Moon-Chamber detector system of the CBM experiment  | Kundu S.K., Department of Physics, School of               | Physical Sciences               | Nuclear Instruments and Methods in Physics Research, Section A: Accelerators, Spectrometers, | 2023 | 1    | 181 |
| Implications of the nature of the interaction of the electron with the nucleus of Schrödinger's cat state with vacuum polarization  | Patukkoli J., Department of Physics and Astr               | Physical Sciences               | Optics and Quantum Electronics   | 2023 | 0    | 79  |
| Dissipation of coherence controls the nature of equilibration and the evolution with time of entanglement of Schrödinger's cat-like state with vacuum   | Patukkoli J., Department of Physics and Astr               | Physical Sciences               | Physical Review E  | 2023 | 0    | 305 |
| Directing Erosion, Slowing, and Corruption in H2S through Bubbling with 15 eV He+ Ion Irradiation   | Deka B., Nanoscience and Soft Matter Laboratory            | Physical Sciences               | Physica Status Solidi (B) Basic Research   | 2023 | 0    | 110 |
| Quality of the system produced in retrieving ap and heavy ion collisions: Hadron resonance gas model approach   | Tripathi R., Department of Physics, Indian Insti           | Physical Sciences               | European Physical Journal A  | 2023 | 1    | 109 |
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| Development and performance evaluation of a conducto-cooled warm bare HTS steering magnet   | Bhushan U., Variable Energy Cyclotron Centre               | Physical Sciences               | Physical C Superconductivity and its Applications  | 2023 | 0    | 88  |
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| A practical evaluation on the role of biobar and nanobarriers in soil remediation processes   | Rajesh V.D., Academy of Biology and Biotech                | Physical Sciences               | Environmental Health and Safety  | 2023 | 10   | 92  |
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| Production of bottommost atoms in proton-proton and heavy-ion collisions  | Kumar V., Nuclear Physics Division, Bhabha Atomi           | Medical and Health Sciences     | Progress in Particle and Nuclear Physics   | 2023 | 1    | 129 |
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| An Introduction to Thermal Emission Standards   | Loharika S., Radiation Medicine Centre, Bhabha             | Medical and Health Sciences     | PET Clinics  | 2023 | 4    | 13  |
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