

3.4.6 Number of books and chapters in edited volumes published per teacher during the year										
3.4.6.1. Total number of books and chapters in edited volumes / books published, and papers in national/international conference-proceedings during the year										
Sl. No.	Name of the teacher	Title of the book/chapters published	Title of the paper	Title of the proceedings of the conference	Name of the conference	National / International	Year of publication	ISBN/ISSN number of the proceeding	Affiliating Institute at the time of	Name of the publisher
1	Brahmananda Chakraborty (BARC, Mumbai)	2D Materials-Based Electrochemical Sensors	2D materials-conducting polymers-based hybrids for electrochemical sensing				2023	978-044315293-1; 978-044315294-8	BARC, Mumbai	Elsevier
2	Amitava Roy (BARC, Mumbai)		3-D analysis of electron beam shape at target plane through parametric variation of an indirectly heated cathode-based electron gun	Journal of Physics: Conference Series	14th International Conference on Electron Beam Technologies, EB1 2022		2023	1742-6588	BARC, Mumbai	Institute of Physics
3	Adarsh Kumar Dureja (BARC, Mumbai); Imran Ali Khan (BARC, Mumbai)		A finite element based parametric study to assess the suitability of factors used in EJMA for estimation of the meridional stresses in bellows	Materials Today: Proceedings	2nd International Conference on Future Technologies in Manufacturing, Automation, Design and Energy		2023	2214-7853/978-981991290-2	BARC, Mumbai	Elsevier Ltd
4	SAKET SAURABH (IMSC, Chennai)		A Framework for Approximation Schemes on Disk Graphs	Proceedings of the Annual ACM-SIAM Symposium on Discrete Algorithms, SODA 2023	34th Annual ACM-SIAM Symposium on Discrete Algorithms, SODA 2023		2023	978-161197755-4	IMSC, Chennai	Association for Computing Machinery
5	Akashrup Banerjee (SINP, Kolkata); Debasish Banerjee (SINP, Kolkata)		A New Type of Lattice Gauge Theory through Self-adjoint Extensions	Proceedings of Science	39th International Symposium on Lattice Field Theory, LATTICE 2022		2023	1824-8039	SINP, Kolkata	Sissa Medialab Srl
6	SAKET SAURABH (IMSC, Chennai)		A Parameterized Algorithm for Vertex Connectivity Survivable Network Design Problem with Uniform Demands	Leibniz International Proceedings in Informatics, LIPIcs	31st Annual European Symposium on Algorithms, ESA 2023		2023	1868-8969/978-395977295-2	IMSC, Chennai	Schloss Dagstuhl-Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing
7	NAYANA MAJUMDAR (SINP, Kolkata); SUPRATIK MUKHOPADHYAY (SINP, Kolkata)		A Simulation of Primary Ionization for Different Gas Mixtures	Springer Proceedings in Physics	International Workshop on Advanced Radiation Detector and Instrumentation in Nuclear and Particle Physics, RAPID 2021		2023	0930-8989/978-303119267-8	SINP, Kolkata	Springer Science and Business Media Deutschland GmbH
8	V SUBRAMANIAN (IGCAR, Kalpakkam)		A Study on Rayleigh Plateau Instability in Slender Jets of Nuclear Materials	Lecture Notes in Mechanical Engineering	Proceedings of the 2nd International Conference on Future Technologies on Manufacturing, Automation, Design and Energy 2021		2023	2195-4356/978-981991287-2	IGCAR, Kalpakkam	Springer Science and Business Media Deutschland GmbH
9	NILESH PANDURANG SABLE (TMC, Mumbai)		A system for feature extraction and classification of ovarian CT radiology reports	2023 6th IEEE International Conference on Advances in Science and Technology, ICASST 2023	6th IEEE International Conference on Advances in Science and Technology, ICASST 2023		2023	979-835035981-7	TMC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
10	HASSAN P A (BARC, Mumbai); K C BARICK (BARC, Mumbai)	Engineered Biomaterials: Progress and Prospects	Advanced Theranostic Nanomaterials				2023	978-981127201-1; 978-981127200-4	BARC, Mumbai	World Scientific Publishing Co.
11	NINGTHOUGAM RAGHUMANI SINGH (BARC, Mumbai); RAJIV JOSHI (BARC, Mumbai)	Engineered Biomaterials: Progress and Prospects	Advances in Magnetic-Nanoparticle-Based Cancer Therapy Through Hyperthermia: Basic Understanding and History				2023	978-981127201-1; 978-981127200-4	BARC, Mumbai	World Scientific Publishing Co.
12	SURESH KUMAR PATRA (IoP, Bhubaneswar)		Alpha clustering in $41, 45, 49\text{Ca}$ nuclei formed in neutron induced reactions	Journal of Physics: Conference Series	6th National Conference on Advanced Materials and Radiation Physics, AMRP 2023		2023	1742-6588	IoP, Bhubaneswar	Institute of Physics
13	SAKET SAURABH (IMSC, Chennai)		An ETH-Tight Algorithm for Bidirected Steiner Connectivity	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	18th International Symposium on Algorithmic Combinatorics, WADS 2023		2023	0302-9743/978-303188905-4	IMSC, Chennai	Springer Science and Business Media Deutschland GmbH
14	SUBROTO MUKHERJEE (IPR, Gandhinagar)		AN EXPERIMENTAL INVESTIGATION ON THE EFFECT OF ADDING NANOPARTICLES TO SEAWATER IN RAPID COOLING SYSTEM	Proceedings of the Thermal and Fluids Engineering Summer Conference	8th Thermal and Fluids Engineering Conference, TFC 2023		2023	2379-1748	IPR, Gandhinagar	Begell House Inc.
15	Basant Kumar Nashine (IGCAR, Kalpakkam)		An Experimental Study on Two-Phase Flow Instability in Once-Through Steam Generator Used in SFR	Lecture Notes in Mechanical Engineering	48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021		2023	2195-4356/978-981196969-0	IGCAR, Kalpakkam	Springer Science and Business Media Deutschland GmbH
16	KAPILESH BHARGAVA (BARC, Mumbai)		An Innovative Method for Enhancement of Durability of Concrete Structures for Sustainable Construction	AIP Conference Proceedings	2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, FSAET 2021		2023	0094-243X	BARC, Mumbai	American Institute of Physics Inc.
17	DINESH KUMAR ASWAL (BARC, Mumbai)	Handbook of Metrology and Applications	An Insight on Quality Infrastructure				2023	978-981992074-7; 978-981992073-0	BARC, Mumbai	Springer Nature
18	A. K. Tyagi (HBN Central Office)	Engineered Biomaterials: Progress and Prospects	An Introduction to Biomaterials				2023	978-981127201-1; 978-981127200-4	HBN Central Office	World Scientific Publishing Co.
19	SANJIB KUMAR AGARWALLA (IoP, Bhubaneswar)		Analysis of Elastic Scattering of 6Li by 11B near Coulomb Barrier	AIP Conference Proceedings	3rd International Conference on Advances in Physical Sciences and Materials: ICAPSM 2022		2023	0094-243X/978-073544765-3	IoP, Bhubaneswar	American Institute of Physics Inc.
20	SHEILA NAINAN MIYTRA (TMC, Mumbai)	Perioperative Care of the Cancer Patient	Anesthesia for Head and Neck Cancer Surgeries				2023	978-032369584-8; 978-032369586-2	TMC, Mumbai	Elsevier
21	JESON RAJAN DOCTOR (TMC, Mumbai); MADHAVI DATTATRAYA DESAI (TMC, Mumbai)	Perioperative Care of the Cancer Patient	Anesthesia for Procedures Outside of the Operating Room				2023	978-032369584-8; 978-032369586-2	TMC, Mumbai	Elsevier
22	ARINDAM DAS (IGCAR, Kalpakkam); P Sriyutha Murthy (BARC, Mumbai); Y V NANCHARAI AH (BARC, Mumbai)	Advances in Nanotechnology for Marine Antifouling	Antifouling mechanisms in and beyond nature: leverages in realization of bioinspired antifouling coatings				2023	978-032391762-9; 978-032398347-1	BARC, Mumbai; IGCAR	Elsevier
23	Aruna Jyothi Kora (BARC, Mumbai)	Biofungicides: Eco-Safety and Future Trends: Volume 2: Novel Sources and Mechanisms	Antifungal Efficacy of Algae				2023	978-100382890-7; 978-103259013-4	BARC, Mumbai	CRC Press
24	RAM NIWAS SINGH (BARC, Mumbai)		Application of Sellars-Tagart constitutive law to modelling of stir-friction welding of Cu/Czr plates	Materials Today: Proceedings	13th International Symposium on Plasticity and Impact Mechanics, IMPLAST 2022		2023	2214-7853	BARC, Mumbai	Elsevier Ltd
25	MUKESH RANJAN (IPR, Gandhinagar)		Au/Ag SERS active substrate for broader wavelength excitation	International Conference on Metamaterials, Photonic Crystals and Plasmonics	13th International Conference on Metamaterials, Photonic Crystals and Plasmonics, META 2023		2023	2429-1390	IPR, Gandhinagar	META Conference
26	PRASUN KUMAR MUKHERJEE (BARC, Mumbai)	Microorganisms for Sustainability	Bacillus and Streptomyces for Management of Biotic Stresses in Plants for Sustainable Agriculture				2023	2512-1898	BARC, Mumbai	Springer
27	SAKET SAURABH (IMSC, Chennai)		Balanced Substructures in Bicolored Graphs	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	48th International Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2023		2023	0302-9743/978-303123100-1	IMSC, Chennai	Springer Science and Business Media Deutschland GmbH
28	GOPKA VINOD (BARC, Mumbai); JAYANTA CHATTOPADHYAY (BARC, Mumbai)		Bayesian Network Framework for Human Reliability Analysis in Occupational Health and Safety	Lecture Notes in Mechanical Engineering	Advances in Reliability and Safety Assessment for Critical Systems - Proceedings of the 5th National Conference on Reliability and Safety NCRS 2022		2023	2195-4356/978-981995048-5	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
29	JOYDEEP GHOSH (IPR, Gandhinagar); N RAMASUBRAMANIAN (IPR, Gandhinagar); PRABAL KUMAR CHATTOPADHYAY (IPR, Gandhinagar)		Behavior of ion acoustic solitons in a two-electron temperature plasma of a multi-pole line cusp plasma device (MPD)	AIP Advances			2023	2158-3226	IPR, Gandhinagar	American Institute of Physics Inc.
30	P Sriyutha Murthy (BARC, Mumbai); Y V NANCHARAI AH (BARC, Mumbai)	Advances in Nanotechnology for Marine Antifouling	Biodiversity of deep ocean on development of biofilms: Biofouling communities and corrosion performance of materials				2023	978-032391762-9; 978-032398347-1	BARC, Mumbai	Elsevier
31	Jitendra Kumar (BARC, Mumbai)	Microalgal Biomass for Bioenergy Applications	Biofuels from microalgae: Growing conditions, cultivation strategies, and techno-commercial challenges				2023	978-044313927-7; 978-044313928-4	BARC, Mumbai	Elsevier
32	S T MEHTRE (BARC, Mumbai)	Fruit and Vegetable Waste Utilization and Sustainability	Biomass ash as a source of nutrient; a case study on cotton (Gossypium)				2023	978-032391743-8; 978-032397250-5	BARC, Mumbai	Elsevier
33	Jitendra Kumar (BARC, Mumbai)	Health and Environmental Applications of Biosensing Technologies: Clinical and Allied Health Science Perspective	Biosensors in industrial waste management as sensing approaches for personal and societal healthcare				2023	978-044319039-1; 978-044319040-7	BARC, Mumbai	Elsevier
34	ARUN KUMAR NAYAK (BARC, Mumbai); Jyeshtharaj Balchandra Joshi (HBN Central Office)	Handbook of Multiphase Flow Science and Technology	Boiling Heat Transfer Behavior in Core Catcher of Advanced Reactors				2023	978-981287092-6; 978-981287091-9	BARC, Mumbai; HBN C	Springer Nature
35	SAKET SAURABH (IMSC, Chennai)		Breaking the All Subsets Barrier for Min k-Cut	Leibniz International Proceedings in Informatics, LIPIcs	50th International Colloquium on Automata, Languages, and Programming, ICALP 2023		2023	1868-8969/978-395977278-5	IMSC, Chennai	Schloss Dagstuhl-Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing

36	SAKET SAURABH (IMSc, Chennai)		Burn and Win	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	34th International Workshop on Combinatorial Algorithms, IWCOA 2023		2023	0302-9743/978-303134346-9	IMSc, Chennai	Springer Science and Business Media Deutschland GmbH
37	Jaya Ghosh (TMC, Mumbai); SHRIPAD DINANATH BANAVALI (TMC, Mumbai)	Fundamentals in Gynaecologic Malignancy	Cancer: Infection and Vaccines				2023	978-981195860-1; 978-981195859-5	TMC, Mumbai	Springer Nature
38	ASHISH JAIN (IGCAR, Kalpakkam)	Advanced Ceramic Coatings: Fundamentals, Manufacturing, and Classification	Ceramic coated surface for corrosion and wear resistance				2023	978-032399659-4; 978-032399660-0	IGCAR, Kalpakkam	Elsevier
39	ARUN KUMAR NAYAK (BARC, Mumbai)	Handbook of Multiphase Flow Science and Technology	CFD Modeling of Critical Heat Flux in Nuclear Fuel Pins: State of the Art				2023	978-981287092-6; 978-981287091-9	BARC, Mumbai	Springer Nature
40	SAKET SAURABH (IMSc, Chennai)		Clustering What Matters: Optimal Approximation for Clustering with Outliers	Proceedings of the 37th AAAI Conference on Artificial Intelligence, AAAI 2023	37th AAAI Conference on Artificial Intelligence, AAAI 2023		2023	978-157735880-0	IMSc, Chennai	AAAI Press
41	SWARUPANANDA PRADHAN (BARC, Mumbai)		Coherent Population Trapping Based Atomic Sensors for Space Application	Lecture Notes in Mechanical Engineering	2nd National Conference on Small Satellite Technology and Applications, NCSSTA 2020		2023	2195-4356/978-981197473-1	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
42	Gopalakrishnan Sugilal (BARC, Mumbai)		Comparative Study of Heat Treatment of Ni-Cr-Mo Alloy Tubes Using Resistance and Induction Heating Furnaces	Springer Proceedings in Physics	3rd International Conference on Advances in Materials Processing: Challenges and Opportunities, AMPCO 2022		2023	0930-8989/978-981991970-3	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
43	ARUN KUMAR NAYAK (BARC, Mumbai); Dinesh Kumar Chandraker (BARC, Mumbai); Ranjan Kumar (BARC, Mumbai)		Comparison of predicted dryout values under different deposition model consideration	AIP Conference Proceedings	3rd International Conference on Mechanical Materials and Renewable Energy, ICMRRE 2022		2023	0094-243X/978-073544534-5	BARC, Mumbai	American Institute of Physics Inc.
44	S GANESAMOORTHY (IGCAR, Kalpakkam)		Comprehensive Study of Optical Float-Zone Grown Gallium Oxide Schottky Barrier Diode	India International Conference on Power Electronics, IICPE	9th IEEE India International Conference on Power Electronics, IICPE 2023		2023	2160-3162/979-835030725-2	IGCAR, Kalpakkam	IEEE Computer Society
45	ARYA ASHOK KUMAR (BARC, Mumbai); KINSHUK DASGUPTA (BARC, Mumbai); VENKATA RAMANA IKKURTHI (BARC, Mumbai)		Computational and experimental studies of penetration resistance of Ceramic-Metal composites	Materials Today: Proceedings	13th International Symposium on Plastics and Impact Mechanics, IMPLAST 2022		2023	2214-7853	BARC, Mumbai	Elsevier Ltd
46	ARYA ASHOK KUMAR (BARC, Mumbai); KINSHUK DASGUPTA (BARC, Mumbai); VENKATA RAMANA IKKURTHI (BARC, Mumbai)		Computational modeling of composite armour and effect of CNT inclusion using orthotropic material model	Materials Today: Proceedings	13th International Symposium on Plastics and Impact Mechanics, IMPLAST 2022		2023	2214-7853	BARC, Mumbai	Elsevier Ltd
47	Shishir Purohit (IPR, Gandhinagar)		Computational Modeling of Noisy Plasma Images Applicable to Tokamak Imaging Diagnostics for Visible and X-ray Emissions	Lecture Notes in Networks and Systems	The 9th International Conference on Mathematics and Computing (ICMC 2023)		2023	2367-3370/978-981993079-1	IPR, Gandhinagar	Springer Science and Business Media Deutschland GmbH
48	VINOD SINGH RAWAT (BARC, Mumbai)		Conducted noise reduction via modulating trigger in copper vapour laser	2023 Joint Asia-Pacific International Symposium on Electromagnetic Compatibility and International Conference on ElectroMagnetic Interference and Compatibility, APEMC/INCEMIC 2023	2023 Joint Asia-Pacific International Symposium on Electromagnetic Compatibility and International Conference on ElectroMagnetic Interference and Compatibility, APEMC/INCEMIC 2023		2023	979-835033834-8	BARC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
49	JOY G MANIAYA (BARC, Mumbai)	Advanced Crop Improvement: Volume 1: Theory and Practice	Contribution and Impact of Mutant Varieties on Food Security				2023	978-303128146-4; 978-303128145-7	BARC, Mumbai	Springer International Publishing
50	Ameya Dattatraya Purnik (TMC, Mumbai)	Radiology-Nuclear Medicine Diagnostic Imaging: A Correlative Approach	Correlative Imaging in Neuroendocrine Tumors				2023	978-111960362-7; 978-111960361-0	TMC, Mumbai	wiley
51	SUVENDU MONDAL (BARC, Mumbai)	Advanced Crop Improvement: Volume 1: Theory and Practice	Crop Biofortification: Plant Breeding and Biotechnological Interventions to Combat Malnutrition				2023	978-303128146-4; 978-303128145-7	BARC, Mumbai	Springer International Publishing
52	JAYANTA CHATTOPADHYAY (BARC, Mumbai)		Cyclic plastic zone and stress-strain evolution in low C-Mn steel ahead of crack under fatigue loading	AIP Conference Proceedings	3rd International Conference on Mechanical Materials and Renewable Energy, ICMRRE 2022		2023	0094-243X/978-073544534-5	BARC, Mumbai	American Institute of Physics Inc.
53	Subhankar Mishra (NISER, Bhubaneswar)		DeepHalo - Finding Dark Matter Halo Substructure Using Deep Learning	ACM International Conference Proceeding Series	6th ACM India Joint International Conference on Data Science and Management of Data, COMAD 2023		2023	978-145039798-8	NISER, Bhubaneswar	Association for Computing Machinery
54	RAM NIWAS SINGH (BARC, Mumbai)	Advances in Physical Metallurgy	DEFORMATION OF Zr-2.5% Nb ALLOY: THE ANISOTROPIC DEFORMATION OF Zr-2.5wt%Nb PRESSURE TUBE ALLOY AT ELEVATED TEMPERATURES				2023	978-100094404-4; 978-288449210-2	BARC, Mumbai	CRC Press
55	MEENA BHASKAR MAHAJAN (IMSc, Chennai)		Dependency Schemes in CDCL-Based QBF Solving: A Proof-Theoretic Study	Leibniz International Proceedings in Informatics, LIPIcs	43rd IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS 2023		2023	1868-8969/978-395977304-1	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing
56	ARCHANA SHARMA (BARC, Mumbai); Sabyasachi Mitra (BARC, Mumbai); Jayanta Mondal (BARC, Mumbai)		Design & Operation of Gigawatt Level RBWO Device for HPM Generation in S-Band Frequency	International Conference on Microwave, Antenna and Communication, MAC 2023	1st International Conference on Microwave, Antenna and Communication, MAC 2023		2023	979-835030300-1	BARC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
57	SURYA KUMAR PATHAK (IPR, Gandhinagar)		Design and Characterization of High Temperature Black Body source in Microwave-Millimeter wave Spectrum for radiometric calibration	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023		2023	979-835032826-4	IPR, Gandhinagar	Institute of Electrical and Electronics Engineers Inc.
58	Rana Pratap Yadav (IPR, Gandhinagar)		Design and Development of RF-based Unmanned Aerial Vehicle (UAV) Detection System	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023		2023	979-835032826-4	IPR, Gandhinagar	Institute of Electrical and Electronics Engineers Inc.
59	Jitendra Kumar (RRCAT, Indore); OM PRAKASH (RRCAT, Indore); SUDHIR KUMAR DIXIT (RRCAT, Indore)	Horizons in World Physics. Volume 309	Development of FBG sensors and their applications in nuclear radiation and harsh industrial environments				2023	979-888697762-2; 979-888697641-0	RRCAT, Indore	Nova Science Publishers, Inc.
60	ARUN KUMAR NAYAK (BARC, Mumbai); Manoj Kumar (BARC, Mumbai); Jyeshthraj Bhalchandra Joshi (HBNI Central Office)	Handbook of Multiphase Flow Science and Technology	Development of Two-Phase Flow Thermal Hydraulic Models for Reactor Safety Analysis				2023	978-981287092-6; 978-981287091-9	BARC, Mumbai; HBNI	Springer Nature
61	SAKET SAURABH (IMSc, Chennai)		Difference Determines the Degree: Structural Kernelizations of Component Order Connectivity	Leibniz International Proceedings in Informatics, LIPIcs	18th International Symposium on Parameterized and Exact Computation, IPEC 2023		2023	1868-8969/978-395977305-8	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing
62	SANJIB KUMAR AGARWALLA (IoP, Bhubaneswar); SATYAPRAKASH SAHOO (IoP, Bhubaneswar)		Discriminating Between Lorentz Violation and Non-Standard Interactions Using Core-Passing Atmospheric Neutrinos at INO-ICAL	Proceedings of the 9th Meeting on CPT and Lorentz Symmetry, CPT 2022	9th Meeting on CPT and Lorentz Symmetry, CPT 2022		2023	978-981127538-8	IoP, Bhubaneswar	World Scientific Publishing Co. Pte. Ltd.
63	DEEPA RAVINDRANATHAN NAIR (TMC, Mumbai)	Bailey and Lovel's: Short Practice of Surgery: 28th Edition	Disorders of the salivary glands				2023	978-100084269-2; 978-100310685-2	TMC, Mumbai	CRC Press
64	ARITRA BANIK (NISER, Bhubaneswar)		Dominator Coloring and CD Coloring in Almost Cluster Graphs	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	18th International Symposium on Algorithms and Data Structures, WADS 2023		2023	0302-9743/978-303138905-4	NISER, Bhubaneswar	Springer Science and Business Media Deutschland GmbH
65	KAPILESH BHARGAVA (BARC, Mumbai)		Effect of Engineered Rock Properties on Blast-Induced Ground Vibration- A State of Art Review	AIP Conference Proceedings	2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, FSAET 2021		2023	0094-243X	BARC, Mumbai	American Institute of Physics Inc.
66	SUNIL VERMA (RRCAT, Indore)		Effect of gold on photo luminescence properties of Cadmium Sulphide thin films deposited by pulsed laser deposition	Materials Today: Proceedings	2nd International Conference on Multifunctional Materials, ICMM 2022		2023	2214-7853	RRCAT, Indore	Elsevier Ltd
67	K Anand Rao (BARC, Mumbai); SULEKHA MUKHOPADHYAY (BARC, Mumbai)		Effect of Rheology on Filtration of a Brecciated Limestone Ore Slurry	Lecture Notes in Mechanical Engineering	Indian Chemical Engineering Congress, CHEMCON 2021		2023	2195-4356/978-981197263-8	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
68	PRABHAKAR V VARDE (BARC, Mumbai)		Effective Management and Implementation of a PRA Project for a Safety Critical System	Lecture Notes in Mechanical Engineering	Advances in Reliability and Safety Assessment for Critical Systems - Proceedings of the 5th National Conference on Reliability and Safety NCRS 2022		2023	2195-4356/978-981995048-5	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH

69	DIMPLE DUTTA (BARC, Mumbai)	Solution Methods for Metal Oxide Nanostructures	Electrophoretic deposition of metal oxide nanostructures				2023	978-012824353-4; 978-032385332-3	BARC, Mumbai	Elsevier
70	AMITA MAHESHWARI (TMC, Mumbai)	Fundamentals in Gynaecologic Malignancy	Endometrial Cancer				2023	978-981195860-1; 978-981195859-5	TMC, Mumbai	Springer Nature
71	Y V NANCHARAI (BARC, Mumbai)	Material-Microbes Interactions: Environmental Biotechnological Perspective	Environmental microbial biofilms: formation, characteristics, and biotechnological applications				2023	978-032395124-1; 978-032395125-8	BARC, Mumbai	Elsevier
72	SHALESH VINAYAK SHRIKHANDE (TMC, Mumbai)	The Pancreas: an Integrated Textbook of Basic Science, Medicine, and Surgery, Fourth Edition	Epidemiology and Pathophysiology of Tropical Chronic Pancreatitis				2023	978-111987600-7; 978-111987597-0	TMC, Mumbai	wiley
73	A VINOD KUMAR (BARC, Mumbai)	Handbook of Metrology and Applications	Equipment for Environmental Radioactivity Measurement: Calibration and Traceability				2023	978-981992074-7; 978-981992073-0	BARC, Mumbai	Springer Nature
74	VIKRAM SURYAPRAKASH GOTI (TMC, Mumbai)	Translational Radiation Oncology	Equivalence and non-inferiority trials: design, measures, classic example				2023	978-032388423-5; 978-032388424-2	TMC, Mumbai	Elsevier
75	GOPIKA VINOD (BARC, Mumbai)		Estimation of System Resilience Through Independent Parameter Transient Profile	Lecture Notes in Mechanical Engineering	Advances in Reliability and Safety Assessment for Critical Systems - Proceedings of the 5th National Conference on Reliability and Safety NCRS 2022		2023	2195-4356/978-981995048-5	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
76	GOPIKA VINOD (BARC, Mumbai)		Evaluation of Human Error Probability from Simulator Experiments based on Operator Response Times	Proceedings of 13th Nuclear Plant Instrumentation, Control and Human-Machine Interface Technologies, NPIC and HMIT 2023	13th Nuclear Plant Instrumentation, Control and Human-Machine Interface Technologies, NPIC and HMIT 2023		2023	978-089448791-0	BARC, Mumbai	American Nuclear Society
77	KAPILESH BHARGAVA (BARC, Mumbai)		Evaluation of Probability of Liquefaction Using Standard Penetration Test (SPT) Result	AIP Conference Proceedings	2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, FSAET 2021		2023	0094-243X	BARC, Mumbai	American Institute of Physics Inc.
78	KAPILESH BHARGAVA (BARC, Mumbai)		Evaluation of Spatial Variability of the In-Situ Soil Strata	AIP Conference Proceedings	2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, FSAET 2021		2023	0094-243X	BARC, Mumbai	American Institute of Physics Inc.
79	Samiran Sengupta (BARC, Mumbai); Sujay Bhattacharya (BARC, Mumbai)		Experimental and Numerical studies of Siphon breaker in an Experimental Test facility	Lecture Notes in Mechanical Engineering	48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021		2023	2195-4356/978-981196269-1	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
80	ABHUIT SEN (IPR, Gandhinagar)		Experimental Investigation of Orbital Debris Soliton Generation	2023 International Conference on Electromagnetics in Advanced Applications, ICEAA 2023	25th International Conference on Electromagnetics in Advanced Applications, ICEAA 2023		2023	979-835032058-9	IPR, Gandhinagar	Institute of Electrical and Electronics Engineers Inc.
81	SREENIVAS T (BARC, Mumbai)	Nuclear Fuel Cycle	Exploration, Mining, Milling and Processing of Uranium				2023	978-981990949-0; 978-981990948-3	BARC, Mumbai	Springer Nature
82	Seraj Ahmad Ansari (BARC, Mumbai)	Ion-Exchange Chromatography and Related Techniques	Extraction chromatography of actinides				2023	978-044315369-3; 978-044315370-9	BARC, Mumbai	Elsevier
83	JOYDIPTA BANERJEE (BARC, Mumbai)	Nuclear Fuel Cycle	Fabrication of Nuclear Fuel Elements				2023	978-981990949-0; 978-981990948-3	BARC, Mumbai	Springer Nature
84	S R SHIMJITH (BARC, Mumbai)		Fast Robust Switching Control Scheme for PWR-Type Nuclear Power Plants	Chinese Control Conference, CCC	42nd Chinese Control Conference, CCC 2023		2023	1934-1768/978-988758154-3	BARC, Mumbai	IEEE Computer Society
85	RAHUL SHUKLA (RRCAT, Indore)		Finite Element Analysis of Squeezed Film Damping on Trapezoidal Microcantilever Resonators at Different Pressure Levels	Mechanisms and Machine Science	6th Conference on Microactuators, Microsensors and Micromechanisms, MAMM 2022		2023	2211-0984/978-303120352-7	RRCAT, Indore	Springer Science and Business Media B.V.
86	DEBANIK ROY (BARC, Mumbai)		Firmware of Indigenous and Custom-Built Flexible Robots for Indoor Assistance	Lecture Notes in Mechanical Engineering	2nd International Conference on Recent Advances in Mechanical Engineering Research and Development, ICRAMERD 2021		2023	2195-4356/978-981169056-3	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
87	ARADHANA SHRIVASTAVA (BARC, Mumbai); KRIPAMAY MAHATA (BARC, Mumbai); PRAKASH CHANDRA ROUT (BARC, Mumbai); S K Pandit (BARC, Mumbai); V V Parkar (BARC, Mumbai); Vineet Kumar (BARC, Mumbai)		Fission fragment mass distribution of ¹⁸⁷ Ir	Journal of Physics: Conference Series	28th International Nuclear Physics Conference, INPC 2022		2023	1742-6588	BARC, Mumbai	Institute of Physics
88	SAKET SAURABH (IMSc, Chennai)		Fixed-Parameter Algorithms for Fair Hitting Set Problems	Leibniz International Proceedings in Informatics, LIPIcs	48th International Symposium on Mathematical Foundations of Computer Science, MFCS 2023		2023	1868-8969/978-395977292-1	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing
89	ARUN KUMAR NAYAK (BARC, Mumbai)	Handbook of Multiphase Flow Science and Technology	Fluid Dynamics and Scrubbing Behavior of Radionuclides in a Venturi Scrubber: Simulations and Experiments				2023	978-981287092-6; 978-981287091-9	BARC, Mumbai	Springer Nature
90	JANE ALAM (VECC, Kolkata)		Fluid properties of hadron gas produced in relativistic hadronic and heavy-ion collisions	Proceedings of Science	10th Annual Conference on Large Hadron Collider Physics, LHCP 2022		2023	1824-8039	VECC, Kolkata	Sissa Medialab Srl
91	SAKET SAURABH (IMSc, Chennai)		FPT Approximations for Packing and Covering Problems Parameterized by Elimination Distance and Even Less	Leibniz International Proceedings in Informatics, LIPIcs	43rd IARCS Annual Conference on Foundations of Software Technology and Theoretical Computer Science, FSTTCS 2023		2023	1868-8969/978-395977304-1	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing
92	SAKET SAURABH (IMSc, Chennai)		FPT Constant-Approximations for Capacitated Clustering to Minimize the Sum of Cluster Radii	Leibniz International Proceedings in Informatics, LIPIcs	39th International Symposium on Computational Geometry, SoCG 2023		2023	1868-8969/978-395977273-0	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing
93	YOGESH KUMAR SRIVASTAVA (NISER, Bhubaneswar)	Studies in Computational Intelligence	From Quantum Mechanics to Quantum Computing				2023	1860-949X	NISER, Bhubaneswar	Springer Science and Business Media Deutschland GmbH
94	PRADIP KUMAR SAHU (IoP, Bhubaneswar)		Gain Uniformity of a Quad-GEM Detector at Different Gas Flowrates	Springer Proceedings in Physics	International Workshop on Advanced Radiation Detector and Instrumentation in Nuclear and Particle Physics, RAPID 2021		2023	0930-8989/978-303119267-8	IoP, Bhubaneswar	Springer Science and Business Media Deutschland GmbH
95	YOGITA PARULEKAR (BARC, Mumbai)		Generation of Probabilistic Seismic Hazard Map of Assam State	Lecture Notes in Civil Engineering	Indian Geotechnical Conference, IGC 2021		2023	2366-2557/978-981196997-3	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
96	Suman Bakshi (BARC, Mumbai)	CRISPR/Cas-Mediated Genome Editing in Plants	Genome editing of wheat with CRISPR/Cas systems: Past present and future				2023	978-100333175-9; 978-177491212-4	BARC, Mumbai	Apple Academic Press
97	Archana N Rai (BARC, Mumbai)	CRISPR/Cas-Mediated Genome Editing in Plants	Genome editing techniques and their applications in Brassica crop improvement				2023	978-100333175-9; 978-177491212-4	BARC, Mumbai	Apple Academic Press
98	S R SHIMJITH (BARC, Mumbai)		Governing Equations of Three-Axis Flight Motion Simulator	9th 2023 International Conference on Control, Decision and Information Technologies, CoDIT 2023	9th International Conference on Control, Decision and Information Technologies, CoDIT 2023		2023	979-835031140-2	BARC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
99	A VINOD KUMAR (BARC, Mumbai)		Groundwater Flow Simulation in an Unconfined Aquifer Using Local Radial Point Interpolation Meshless Method (LRPIM)	Lecture Notes in Civil Engineering	26th International Conference on Hydraulics, Water Resources and Coastal Engineering, HYDRO 2021		2023	2366-2557/978-981199146-2	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
100	Amitava Roy (BARC, Mumbai)		Half TEM horn Antenna for Compact Pulsed Transformer based UWB System	2023 Joint Asia-Pacific International Symposium on Electromagnetic Compatibility and International Conference on ElectroMagnetic interference and Compatibility, APEMC/INCEMIC 2023	2023 Joint Asia-Pacific International Symposium on Electromagnetic Compatibility and International Conference on ElectroMagnetic interference and Compatibility, APEMC/INCEMIC 2023		2023	979-835033834-8	BARC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
101	DINESH KUMAR ASWAL (BARC, Mumbai)	Handbook of Metrology and Applications	Handbook of Metrology and Applications				2023	978-981992074-7; 978-981992073-0	BARC, Mumbai	Springer Nature

102	Jyeshtharaj Bhalchandra Joshi (HBN Central Office)	Handbook of Multiphase Flow Science and Technology	Heat Transfer Characteristics of Single and Multiphase Stirred Tanks					2023	978-981287092-6; 978-981287091-9	HBN Central Office	Springer Nature
103	Kishore Kanti Mishra (IPR, Gandhinagar); PROMOD KUMAR SHARMA (IPR, Gandhinagar)		High Power RF & Microwave Tube based heating systems at IPR and its applications to Plasma	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023			2023	979-835032826-4	IPR, Gandhinagar	Institute of Electrical and Electronics Engineers Inc.
104	Gopal Joshi (BARC, Mumbai)		High Power RF Systems of LEHIPA - Technology Development	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023			2023	979-835032826-4	BARC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
105	Shovit Bhattacharya (BARC, Mumbai)		High Temperature Transport Properties of Divalent Ca Substituted Rare Earth Manganites	AIP Conference Proceedings	International Conference on Materials for Emerging Technologies 2021, ICMET 2021			2023	0094-243X	BARC, Mumbai	American Institute of Physics Inc.
106	C D SJOY (BARC, Mumbai); VINAYAK MISHRA (BARC, Mumbai)		Higher-order cell-centered finite volume scheme for the simulation of elastic-plastic flows in 3D	Materials Today: Proceedings	13th International Symposium on Plasticity and Impact Mechanics, IMPLAST 2022			2023	2214-7853	BARC, Mumbai	Elsevier Ltd
107	AMITA MAHESHWARI (TMC, Mumbai)	Fundamentals in Gynaecologic Malignancy	Hormone Replacement Therapy after Gynaecological Cancer					2023	978-981195860-1; 978-981195859-9	TMC, Mumbai	Springer Nature
108	GUNJAN VERMA (BARC, Mumbai)	Engineered Biomaterials: Progress and Prospects	Hydroxyapatite Nanostructured Materials for Biomedical Applications					2023	978-981127201-1; 978-981127200-4	BARC, Mumbai	World Scientific Publishing Co.
109	S T MEHRETR (BARC, Mumbai)	Microorganisms for Sustainability	Impact of Persistence and Movement of Glitoxin Produced by Trichoderma virens in Agricultural Soil and Crop Plants					2023	2512-1898	BARC, Mumbai	Springer
110	HIRENDRA NATH GHOSH (BARC, Mumbai)	Advances in Inorganic Chemistry	Implications of strongly coupled catecholite-based anchoring functionality of a sensitizer dye molecule toward photoinduced electron transfer dynamics					2023	0898-8838/978-032395766-3	BARC, Mumbai	Academic Press Inc.
111	Brahmananda Chakraborty (BARC, Mumbai)	2D Materials-Based Electrochemical Sensors	Importance of 2D materials for electrochemical sensors: theoretical perspectives					2023	978-044315293-1; 978-044315294-8	BARC, Mumbai	Elsevier
112	HASSAN P A (BARC, Mumbai)	Engineered Biomaterials: Progress and Prospects	In Situ Gelling Tissue Adhesive Hydrogels for Wound Closure and Tissue Regeneration					2023	978-981127201-1; 978-981127200-4	BARC, Mumbai	World Scientific Publishing Co.
113	Subhankar Mishra (NISER, Bhubaneswar)		IndoorGNV: A Graph Neural Network Based Approach for Indoor Localization Using WiFi RSSI	Lecture Notes in Computer Science (Including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	11th International Conference on Big Data and Artificial Intelligence, BDA 2023			2023	0302-9743/978-303149600-4	NISER, Bhubaneswar	Springer Science and Business Media Deutschland GmbH
114	DINESH KUMAR ASWAL (BARC, Mumbai)	Handbook of Metrology and Applications	Industrial Metrology: Introduction					2023	978-98192074-7; 978-98192073-0	BARC, Mumbai	Springer Nature
115	JOYDEEP GHOSH (IPR, Gandhinagar); Ramkrishna Rane (IPR, Gandhinagar)		Initial Effects of Plasma Treatment on Maize Seeds: A Laboratory Study	Journal of Physics: Conference Series	2023 National Conference on Physics and Chemistry of Materials, NCPM 2023			2023	1742-6588	IPR, Gandhinagar	Institute of Physics
116	AVANISH PARMESH SAKLANI (TMC, Mumbai)	Natural Orifice Specimen Extraction Surgery	International Consensus on Natural Orifice Specimen Extraction Surgery (NOSES) for Gastric Cancer (2019)					2023	978-981992750-0; 978-98192749-4	TMC, Mumbai	Springer Nature
117	AVANISH PARMESH SAKLANI (TMC, Mumbai)	Natural Orifice Specimen Extraction Surgery	International Guideline on Natural Orifice Specimen Extraction Surgery (NOSES) for Colorectal Cancer (2023 Version)					2023	978-981992750-0; 978-98192749-4	TMC, Mumbai	Springer Nature
118	PANKAJ MISRA (RRCAT, Indore); Sanjay Kumar Rai (RRCAT, Indore)	Springer Proceedings in Materials	Intrinsic Growth Challenges in Pulsed Laser-Deposited Al ₂ O ₃ /TiO ₂ Subnanometric Laminate as a Potential Dielectric Material for High-Density Storage Applications					2023	2662-3161	RRCAT, Indore	Springer Nature
119	Sandip Basu (BARC, Mumbai)	Radiology-Nuclear Medicine Diagnostic Imaging: A Correlative Approach	Introduction to Correlative Imaging: What Radiologists and Nuclear Medicine Physicians Should Know on Hybrid Imaging					2023	978-111960362-7; 978-111960361-0	BARC, Mumbai	wiley
120	Niranjan Suryakant Ramgir (BARC, Mumbai)	Nanotechnology-Based E-Noses: Fundamentals and Emerging Applications	Introduction to nano-e-nose					2023	978-032391157-3; 978-032399838-3	BARC, Mumbai	Elsevier
121	Ngangom Aomso (IPR, Gandhinagar); Rakesh Moullick (IPR, Gandhinagar)		Investigation of the effect of non-thermal atmospheric pressure plasma treatment on the physico-chemical properties of potato starch using spectroscopic techniques	Frontiers in Optics: Proceedings Frontiers in Optics + Laser Science 2023, FIO, LS 2023	Frontiers in Optics + Laser Science 2023, FIO, LS 2023: Part of Frontiers in Optics + Laser Science 2023			2023	978-195717129-6	IPR, Gandhinagar	Optical Society of America
122	Dinesh Kumar Chandraker (BARC, Mumbai); Naveen Kumar (HBN Central Office)		Investigation on Heat Transfer Behaviour of Inclined Heat Exchanger in a Pool under Earthquake Vibration	Lecture Notes in Mechanical Engineering	48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021			2023	2195-4356/978-981196269-1	BARC, Mumbai; HBN Central Office	Springer Science and Business Media Deutschland GmbH
123	SUVENDU MONDAL (BARC, Mumbai)	Non-Coding RNAs: Molecular Tools for Crop Improvement	Ionizing Radiation-Induced Non-Coding RNA in Plants and Their Implication in Mutation Breeding					2023	978-100099311-0; 978-103242544-3	BARC, Mumbai	CRC Press
124	SAKET SAURABH (IMSc, Chennai)		Kernelization for Spreading Points	Leibniz International Proceedings in Informatics, LIPIcs	31st Annual European Symposium on Algorithms, ESA 2023			2023	1868-8969/978-395977295-2	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing
125	GOPKA VINOD (BARC, Mumbai); Samiran Sengupta (BARC, Mumbai)		ANN based Machine Learning Model for Transient Detection in Nuclear Reactors	IET Conference Proceedings	8th International Conference on Computing in Engineering and Technology, ICCET 2023			2023	2732-4494	BARC, Mumbai	Institution of Engineering and Technology
126	Amit Ghosh (SINP, Kolkata)	Advances in Cancer Research	Lnc-irg epigenetic mechanisms with autophagy and cancer drug resistance					2023	0065-230X/978-044319280-7	SINP, Kolkata	Academic Press Inc.
127	SAKET SAURABH (IMSc, Chennai)		Lossy Kernelization for (Implicit) Hitting Set Problems	Leibniz International Proceedings in Informatics, LIPIcs	31st Annual European Symposium on Algorithms, ESA 2023			2023	1868-8969/978-395977295-2	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing
128	SUNIL VERMA (RRCAT, Indore)		Machine Learning and Convolution Neural Network based Trace Identification of Pesticides and Dye Mixtures from Raman Spectra	ACM International Conference Proceeding Series	6th ACM India Joint International Conference on Data Science and Management of Data, CODS-COMAD 2023			2023	978-145039798-8	RRCAT, Indore	Association for Computing Machinery
129	ARCHANA SHARMA (BARC, Mumbai); RISHI VERMA (BARC, Mumbai); SURENDER KUMAR SHARMA (BARC, Mumbai)		Magnetic pulse welding of thin walled ferritic martensitic steel T91 tube to T91 rod	Materials Today: Proceedings	13th International Symposium on Plasticity and Impact Mechanics, IMPLAST 2022			2023	2214-7853	BARC, Mumbai	Elsevier Ltd
130	MURTHY VEDANG (TMC, Mumbai)		Management of Patients with Advanced Prostate Cancer. Part I: Intermediate-/High-risk and Locally Advanced Disease, Biochemical Relapse, and Side Effects of Hormonal Treatment: Report of the Advanced Prostate Cancer Consensus Conference 2022	European Urology				2023	0302-2838	TMC, Mumbai	Elsevier B.V.
131	MURTHY VEDANG (TMC, Mumbai)		Management of patients with advanced prostate cancer – metastatic and/or castration-resistant prostate cancer: report of the Advanced Prostate Cancer Consensus Conference (APCCC) 2022	European Journal of Cancer				2023	0959-8049	TMC, Mumbai	Elsevier Ltd
132	GANESH RAJARAMAN (IPR, Gandhinagar)		MD Simulation of Columnar Rankine Vortices in 3D Yukawa Liquids	49th EPS Conference on Plasma Physics, EPS 2023	49th EPS Conference on Plasma Physics, EPS 2023			2023	978-171389867-2	IPR, Gandhinagar	European Physical Society (EPS)
133	SUBHASH PV (IPR, Gandhinagar)		Measurement of ⁹⁵ Rb(n, ²ⁿ) ⁸⁴ mRb reaction cross-section at 15.72±0.59 and 16.73±0.66 MeV	2023 23rd International Scientific Conference on Electric Power Engineering, EPE 2023	23rd International Scientific Conference on Electric Power Engineering, EPE 2023			2023	979-835033593-4	IPR, Gandhinagar	Institute of Electrical and Electronics Engineers Inc.
134	RENIJU GEORGE THOMAS (BARC, Mumbai)		Measurements of neutron capture cross sections on ¹⁰⁹ Ag at 0.53, 1.05, 1.66 MeV	2023 23rd International Scientific Conference on Electric Power Engineering, EPE 2023	23rd International Scientific Conference on Electric Power Engineering, EPE 2023			2023	979-835033593-4	BARC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
135	RAGHVENDRA TEWARI (BARC, Mumbai)	Advances in Physical Metallurgy	MICROSTRUCTURAL STUDIES ON Zr3Al-Nb ALLOYS					2023	978-100094404-4; 978-288449210-2	BARC, Mumbai	CRC Press
136	SAKET SAURABH (IMSc, Chennai)		Minimum-Membership Geometric Set Cover, Revisited	Leibniz International Proceedings in Informatics, LIPIcs	39th International Symposium on Computational Geometry, SoCG 2023			2023	1868-8969/978-395977273-0	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing
137	SANYAL DIRTHA (VECC, Kolkata)		Miscibility of ABS/PA6 polymer blend studied using DSC and PALS	AIP Conference Proceedings	3rd National Conference on Recent Advancement in Physical Sciences, NCRAPS 2021			2023	0094-243X/978-073544563-5	VECC, Kolkata	American Institute of Physics Inc.
138	ANIL KUMAR CHAUHAN (BARC, Mumbai); Shankar Prasad Koiry (BARC, Mumbai)		Modeling and Simulation of Photovoltaic Cell and Module for IoT applications	IDCIoT 2023 - International Conference on Intelligent Data Communication Technologies and Internet of Things, Proceedings	2023 International Conference on Intelligent Data Communication Technologies and Internet of Things, IDCIoT 2023			2023	978-166547451-1	BARC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
139	Sushmita Gupta (IMSc, Chennai)		More Effort Towards Multiagent Knapsack	Lecture Notes in Computer Science (Including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	48th International Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2023			2023	0302-9743/978-303123100-1	IMSc, Chennai	Springer Science and Business Media Deutschland GmbH
140	DINESH KUMAR ASWAL (BARC, Mumbai); Niranjan Suryakant Ramgir (BARC, Mumbai)	Nanotechnology-Based E-Noses: Fundamentals and Emerging Applications	Multiscale nanopatterned (top-down nanolithography) e-nose					2023	978-032391157-3; 978-032399838-3	BARC, Mumbai	Elsevier

141	VINAY BHASKAR CHANDRATRE (BARC, Mumbai)		Multi-channel, compact DAQ system with inbuilt Time-to-digital converters	ACCESS 2023 - 2023 3rd International Conference on Advances in Computing, Communication, Embedded and Secure Systems	3rd International Conference on Advances in Computing, Communication, Embedded and Secure Systems, ACCESS 2023		2023	979-835034616-9	BARC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
142	JOY G MANIAYA (BARC, Mumbai); Sudhir Kumar Gupta (BARC, Mumbai)	Advanced Crop Improvement, Volume 2: Case Studies of Economically Important Crops	Mutation Breeding for Adaptation to Climate Change in Seed Propagated Crops				2023	978-303126669-0; 978-303126668-3	BARC, Mumbai	Springer International Publishing
143	ANIRUDDHA BISWAS (BARC, Mumbai)	Advances in Physical Metallurgy	NANOCRYSTALLINE STATES: MICROSTRUCTURAL EVOLUTION IN RAPIDLY SOLIDIFIED AND MECHANICALLY ALLOYED Zr3Al				2023	978-100094404-4; 978-288449210-2	BARC, Mumbai	CRC Press
144	SANDIP KUMAR DHARA (IGCAR, Kalpakkam)	Nanoscipy and Nanospectroscopy	Nanoscipy and Nanospectroscopy				2023	978-100084577-8; 978-103216388-9	IGCAR, Kalpakkam	CRC Press
145	ARINDAM DAS (IGCAR, Kalpakkam); P Sriyutha Murthy (BARC, Mumbai)	Biofilm Associated Antimicrobial Resistance and Its Recovery	Nanotechnology Approaches to Treating Antimicrobial Resistant Infections Caused by Biofilms: Research Needs for Translation from In Vitro to In Vivo Applications				2023	978-100380003-3; 978-103225033-5	BARC, Mumbai; IGCAR	CRC Press
146	ASIM KUMAR GHOSH (BARC, Mumbai)	Water, the Environment, and the Sustainable Development Goals	Nanotechnology-based sustainable approaches for remediation of organic and inorganic pollutants from aqueous medium				2023	978-044315354-9; 978-044315355-6	BARC, Mumbai	Elsevier
147	KUMAR SANKAR GUPTA (SINP, Kolkata)	Particles, Fields And Topology: Celebrating A. P. Balachandran	Near-horizon conformal structure, entropy and decay rate of black holes				2023	978-981127043-7; 978-981127042-0	SINP, Kolkata	World Scientific Publishing Co.
148	Subhankar Mishra (NISER, Bhubaneswar)		Neural directional distance field object representation for uni-directional path-traced rendering	2023 14th International Conference on Computing Communication and Networking Technologies, ICCCNT 2023	14th International Conference on Computing Communication and Networking Technologies, ICCCNT 2023		2023	979-835033509-5	NISER, Bhubaneswar	Institute of Electrical and Electronics Engineers Inc.
149	Subhankar Mishra (NISER, Bhubaneswar)		Neural Networks at a Fraction with Pruned Quaternions	ACM International Conference Proceeding Series	6th ACM India Joint International Conference on Data Science and Management of Data, CDS-ComAD 2023		2023	978-145039798-8	NISER, Bhubaneswar	Association for Computing Machinery
150	V. Ravindran (IMSc, Chennai)		NEXT-TO-SOFT VIRTUAL RESUMMATION FOR QCD OBSERVABLES	Acta Physica Polonica B, Proceedings Supplement			2023	1899-2358	IMSc, Chennai	Jagiellonian University
151	JUNG BAHADUR SINGH (BARC, Mumbai)	Advances in Physical Metallurgy	NI-TI SHAPE MEMORY ALLOYS: THE RHOMBOHEDRAL TO MONOCLINIC MARTENSITIC TRANSFORMATION IN NI-TI SHAPE MEMORY ALLOYS				2023	978-100094404-4; 978-288449210-2	BARC, Mumbai	CRC Press
152	ASHISH KUMAR SRIVASTAVA (BARC, Mumbai)	Non-Coding RNAs: Molecular Tools for Crop Improvement	Non-Coding RNAs: Molecular Tools for Crop Improvement				2023	978-100099311-0; 978-103242544-3	BARC, Mumbai	CRC Press
153	ANISH KUMAR (IGCAR, Kalpakkam)	Springer Series in Materials Science	Non-destructive Materials Characterization by Electromagnetic Techniques				2023	0933-033X	IGCAR, Kalpakkam	Springer Science and Business Media Deutschland GmbH
154	ANISH KUMAR (IGCAR, Kalpakkam)	Springer Series in Materials Science	Non-destructive Materials Characterization using Ionizing Radiation				2023	0933-033X	IGCAR, Kalpakkam	Springer Science and Business Media Deutschland GmbH
155	DEVENDRA SHARMA (IPR, Gandhinagar)		Nonlinear excitations within Strongly coupled Quasi-localized regime of Yukawa Fluids	49th EPS Conference on Plasma Physics, EPS 2023	49th EPS Conference on Plasma Physics, EPS 2023		2023	978-171389867-2	IPR, Gandhinagar	European Physical Society (EPS)
156	DEBASMITA PANKAJ ALONE (NISER, Bhubaneswar)	Biomedical Applications and Toxicity of Nanomaterials	Nontoxic Natural Products as Regulators of Tumor Suppressor Gene Function				2023	978-981197834-0; 978-981197833-3	NISER, Bhubaneswar	Springer Nature
157	HASSAN P A (BARC, Mumbai)		Nose to brain delivery of radiolabeled chemotherapeutic micelles: Meeting the unmet needs of brain tumors	Journal of Drug Delivery Science and Technology			2023	1773-2247	BARC, Mumbai	Editions de Sante
158	A. K. Tyagi (HBN Central Office)	Energy Materials	Nuclear Energy Materials				2023	978-981127095-6; 978-981127094-9	HBN Central Office	World Scientific Publishing Co.
159	A VINOD KUMAR (BARC, Mumbai)	Handbook of Metrology and Applications	Nuclear Forensics: Role of Radiation Metrology				2023	978-981992074-7; 978-98192073-0	BARC, Mumbai	Springer Nature
160	CVS BRAHMMANANDA RAO (IGCAR, Kalpakkam); N SIVARAMAN (IGCAR, Kalpakkam)	Nuclear Fuel Cycle	Nuclear Fuel Reprocessing				2023	978-981990949-0; 978-981990948-3	IGCAR, Kalpakkam	Springer Nature
161	Swagata Mallik (VECC, Kolkata)	Multifragmentation in Heavy Ion Reactions: Theory and Experiments	Nuclear Liquid-Gas Phase Transition: A Theoretical Overview				2023	978-100086763-3; 978-981496869-0	VECC, Kolkata	Jenny Stanford Publishing
162	S TRIPURA SUNDARI (IGCAR, Kalpakkam)	Advances in Physical Metallurgy	NUCLEAR MATERIALS: PHYSICS OF SPUTTERING: A NEW APPROACH BASED ON DEFECT REACTIONS				2023	978-100094404-4; 978-288449210-2	IGCAR, Kalpakkam	CRC Press
163	NAYANA MAJUMDAR (SINP, Kolkata); SUPRATIK MUKHOPADHYAY (SINP, Kolkata)		Numerical Evaluation of Resistive Plate Chamber	Springer Proceedings in Physics	International Workshop on Advanced Radiation Detector and Instrumentation in Nuclear and Particle Physics, RAPID 2021		2023	0930-8989/978-303119267-8	SINP, Kolkata	Springer Science and Business Media Deutschland GmbH
164	JAYANTA CHATTOPADHYAY (BARC, Mumbai)		Numerical Investigation of Passive Auto Catalytic Recombiner Performance due to Oxygen Starvation Condition	Lecture Notes in Mechanical Engineering	48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021		2023	2195-4356/978-981196269-1	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
165	Dinesh Kumar Chandraker (BARC, Mumbai); Naveen Kumar (HBN Central Office)		Numerical Investigation of Single-Phase Convection of Submerged Heat Exchanger under Low Frequency Excitation	Lecture Notes in Mechanical Engineering	48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021		2023	2195-4356/978-981196269-1	BARC, Mumbai; HBN C	Springer Science and Business Media Deutschland GmbH
166	JAYANTA CHATTOPADHYAY (BARC, Mumbai); YOGITA PARULEKAR (BARC, Mumbai)		Numerical Simulation of a Laminar Soil Box to Study Seismic SSI Effects of Nuclear Facilities	Lecture Notes in Civil Engineering	17th International Symposium on Earthquake Engineering, SEE 2022		2023	2366-2557/978-981991578-1	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
167	MUKUND SHRINIVAS KULKARNI (BARC, Mumbai)	Handbook of Metrology and Applications	Occupational Radiation Monitoring in Indian Nuclear Industry				2023	978-981992074-7; 978-98192073-0	BARC, Mumbai	Springer Nature
168	C Ramya (IMSc, Chennai)		On Identity Testing and Noncommutative Rank Computation over the Free Skew Field	Leibniz International Proceedings in Informatics, LIPIcs	14th Innovations in Theoretical Computer Science Conference, ITCS 2023		2023	1868-8969/978-395977263-1	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing
169	C R SUBRAMANIAN (IMSc, Chennai)		ON INDUCED PATHS, HOLES, AND TREES IN RANDOM GRAPHS	SIAM Journal on Discrete Mathematics			2023	0895-4801	IMSc, Chennai	Society for Industrial and Applied Mathematics Publications
170	SAKET SAURABH (IMSc, Chennai)		On the Complexity of the Eigenvalue Deletion Problem	Leibniz International Proceedings in Informatics, LIPIcs	34th International Symposium on Algorithms and Computation, ISAAC 2023		2023	1868-8969/978-395977289-1	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing
171	VINAYAK MISHRA (BARC, Mumbai)		On the relationship between shock and particle velocities in single and bicrystal systems of Aluminum: A molecular dynamics study	Materials Today: Proceedings	13th International Symposium on Plasticity and Impact Mechanics, IMPLAST 2022		2023	2214-7853	BARC, Mumbai	Elsevier Ltd
172	SUBHASIS CHATTOPADHYAY (VECC, Kolkata)		Optimisation of the Muon Chamber(MuCh) Digi Storage in the CBM experiment at FAIR, Germany	2023 IEEE 20th India Council International Conference, INDICon 2023	20th IEEE India Council International Conference, INDICon 2023		2023	979-83503059-3	VECC, Kolkata	Institute of Electrical and Electronics Engineers Inc.
173	DEVENDRA SHARMA (IPR, Gandhinagar)		Optimization of Circulation Power in First Wall of Breeding Blanket Using He-CO2 Gas Mixture as a Replacement of Helium	Green Energy and Technology	8th International Conference on Advances in Energy Research , ICAER 2022		2023	1865-3529/978-981992278-9	IPR, Gandhinagar	Springer Science and Business Media Deutschland GmbH
174	JUNG BAHADUR SINGH (BARC, Mumbai)	Advances in Physical Metallurgy	ORDERED INTERMETALLICS: PROPAGATION OF DEFORMATION ACROSS DOMAIN BOUNDARIES IN ORDERED ALLOYS				2023	978-100094404-4; 978-288449210-2	BARC, Mumbai	CRC Press
175	SAKET SAURABH (IMSc, Chennai)		Parameterized Algorithms for Eccentricity Shortest Path Problem	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	34th International Workshop on Combinatorial Algorithms, WCOA 2023		2023	0302-9743/978-303134346-9	IMSc, Chennai	Springer Science and Business Media Deutschland GmbH
176	SAKET SAURABH (IMSc, Chennai)		Parameterized Approximation Scheme for Biclique-free Max k-Weight SAT and Max Coverage	Proceedings of the Annual ACM-SIAM Symposium on Discrete Algorithms	34th Annual ACM-SIAM Symposium on Discrete Algorithms, SODA 2023		2023	978-161197755-4	IMSc, Chennai	Association for Computing Machinery
177	SAKET SAURABH (IMSc, Chennai)		Parameterized Approximation Scheme for Feedback Vertex Set	Leibniz International Proceedings in Informatics, LIPIcs	48th International Symposium on Mathematical Foundations of Computer Science, MFCS 2023		2023	1868-8969/978-395977292-1	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum fur Informatik GmbH, Dagstuhl Publishing

178	SAKET SAURABH (IMSc, Chennai)		Parameterized Complexity of Fair Bisection FPT-Approximation meets Unbreakability in Informatics, LIPIcs	Leibniz International Proceedings in Informatics, LIPIcs	31st Annual European Symposium on Algorithms, ESA 2023	2023	1868-8969/978-395977295-2	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing
179	SAKET SAURABH (IMSc, Chennai)		Partitioning Subclasses of Chordal Graphs with Few Deletions	Lecture Notes in Computer Science (Including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	13th International Symposium on Algorithms and Complexity, CIAC 2023	2023	0302-9743/978-303130447-7	IMSc, Chennai	Springer Science and Business Media Deutschland GmbH
180	Ayushi Sahay (TMC, Mumbai)	Holistic Approach to Breast Disease	Pathological assessment of post-neoadjuvant therapy breast specimen			2023	978-981990035-0; 978-981990034-3	TMC, Mumbai	Springer Nature
181	Rajesh Kumar (IPR, Gandhinagar); SURYA KUMAR PATHAK (IPR, Gandhinagar)		Pattern Reconfigurability using Plasma for Beamsteering Application at S-band	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023	2023	979-835032826-4	IPR, Gandhinagar	Institute of Electrical and Electronics Engineers Inc.
182	ARCHANA SHARMA (BARC, Mumbai)		Performance Evaluation of Medium Voltage Cascaded H-Bridge converter for Low frequency High power variable power factor Load	2023 IEEE 8th International Conference for Convergence in Technology, I2CT 2023	8th IEEE International Conference for Convergence in Technology, I2CT 2023	2023	979-835033401-2	BARC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
183	ATUL PRABHAKAR KULKARNI (TMC, Mumbai); GOURI HIMALAYA PANTVAIDYA (TMC, Mumbai); MADHAVI DATTATRAYA DESAI (TMC, Mumbai)	Perioperative Care of the Cancer Patient	Perioperative Care of the Surgical Patient: Surgical Emergencies in Cancer			2023	978-03236984-8; 978-03236986-2	TMC, Mumbai	Elsevier
184	Pankaj Kumar Patro (BARC, Mumbai)	Materials Horizons: From Nature to Nanomaterials	Perovskite Manganite Materials: Recent Advancements and Challenges as Cathode for Solid Oxide Fuel Cell Applications			2023	2524-5384	BARC, Mumbai	Springer Nature
185	PRATAP KUMAR SAHOO (NISER, Bhubaneswar)	Perovskite Metal Oxides: Synthesis, Properties, and Applications	Perovskite-based light detectors (pyrodetectors)			2023	978-032399529-0; 978-032399530-6	NISER, Bhubaneswar	Elsevier
186	ARYA ASHOK KUMAR (BARC, Mumbai)	Advances in Physical Metallurgy	PHASE STABILITY: FIRST PRINCIPLES STUDY OF PHASE STABILITY AND DEFECTS IN SOLIDS			2023	978-100094404-4; 978-288449210-2	BARC, Mumbai	CRC Press
187	KAPILESH BHARGAVA (BARC, Mumbai)		Planning and Design of Large Industrial Facilities: Some Best Practices	AIP Conference Proceedings	2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, FSAET 2021	2023	0094-243X	BARC, Mumbai	American Institute of Physics Inc.
188	SUVENDU MONDAL (BARC, Mumbai)	Advanced Crop Improvement, Volume 2: Case Studies of Economically Important Crops	Plant Genetic Resources: Conservation, Evaluation and Utilization in Plant Breeding			2023	978-303126669-0; 978-303126668-3	BARC, Mumbai	Springer International Publishing
189	ABHJIT SEN (IPR, Gandhinagar); NIRMAL KUMAR BISAI (IPR, Gandhinagar)		Plasma dynamics from the application of edge biasing	49th EPS Conference on Plasma Physics, EPS 2023	49th EPS Conference on Plasma Physics, EPS 2023	2023	978-171389867-2	IPR, Gandhinagar	European Physical Society (EPS)
190	MUKESH RANJAN (IPR, Gandhinagar)		Plasma Functionalized Wettability Gradient Surfaces for Electronic Cooling	Lecture Notes in Mechanical Engineering	3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering, FLAME 2022	2023	2195-4356/978-981992381-6	IPR, Gandhinagar	Springer Science and Business Media Deutschland GmbH
191	SHANTANU KUMAR KARKARI (IPR, Gandhinagar)		Plasma Sources and Diagnostic Solution for Investigating Laboratory Plasmas	2023 International Conference on Electromagnetics in Advance Applications, ICEAA 2023	25th International Conference on Electromagnetics in Advanced Applications, ICEAA 2023	2023	979-835032058-9	IPR, Gandhinagar	Institute of Electrical and Electronics Engineers Inc.
192	MUKESH RANJAN (IPR, Gandhinagar)		Plasma Techniques for the Fabrication of Hydrophobic Substrates	Lecture Notes in Mechanical Engineering	3rd Biennial International Conference on Future Learning Aspects of Mechanical Engineering, FLAME 2022	2023	2195-4356/978-981991893-5	IPR, Gandhinagar	Springer Science and Business Media Deutschland GmbH
193	PRATAP KUMAR SAHOO (NISER, Bhubaneswar)	Nanoscopy and Nanospectroscopy	Plasmonic and Optical Confinement			2023	978-100084577-8; 978-103216388-8	NISER, Bhubaneswar	CRC Press
194	BETTY C A (BARC, Mumbai)		Portable H2S gas detection and alert system prototype using highly sensitive nanocrystalline SnO2thin films: Sensor for environmental monitoring	APSCON 2023 - IEEE Applied Sensing Conference, Symposium Proceedings	2023 IEEE Applied Sensing Conference, APSCON 2023	2023	978-166546163-4	BARC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
195	V KARTHIK (IGCAR, Kalpakkam)	Nuclear Fuel Cycle	Post Irradiation Examination of Fuel			2023	978-981990949-0; 978-981990948-3	IGCAR, Kalpakkam	Springer Nature
196	DINESH KUMAR ASWAL (BARC, Mumbai)	Handbook of Metrology and Applications	Precise Time Transfer Techniques: Part I: Telephone, LWR, and Network			2023	978-981992074-7; 978-981992073-0	BARC, Mumbai	Springer Nature
197	SURYA KUMAR PATHAK (IPR, Gandhinagar)		Preliminary Simulation and Experimental Studies on View Dump made of Silicon Carbide for Vertical Electron Cyclotron Emission Experiment	2nd International Conference on Wireless, Antenna and Microwave Symposium, WAMS 2023	2nd International Conference on Wireless, Antenna and Microwave Symposium, WAMS 2023	2023	979-835031243-0	IPR, Gandhinagar	Institute of Electrical and Electronics Engineers Inc.
198	JAI PRAKASH AGARWAL (TMC, Mumbai); Sarbani Ghosh Laskar (TMC, Mumbai)	Fundamentals in Gynaecologic Malignancy	Principles and Practice of Radiation Oncology			2023	978-981195860-1; 978-981195859-5	TMC, Mumbai	Springer Nature
199	SHAILESH VINAYAK SHRIKHANDE (TMC, Mumbai); Vikram Anil Chaudhari (TMC, Mumbai)	Fundamentals in Gynaecologic Malignancy	Principles and Practice of Surgery in Gynaecological Cancer			2023	978-981195860-1; 978-981195859-5	TMC, Mumbai	Springer Nature
200	Sanjay Gupta (TMC, Mumbai)	Fundamentals in Gynaecologic Malignancy	Principles of Chemotherapy, Targeted Therapy, and Immunotherapy in Gynaecological Malignancies			2023	978-981195860-1; 978-981195859-5	TMC, Mumbai	Springer Nature
201	Manju Sengar (TMC, Mumbai)	Noncommunicable Diseases: A Compendium	Prostate cancer: Burden, epidemiology and priority interventions			2023	978-100034249-4; 978-103230793-0	TMC, Mumbai	Taylor and Francis
202	GAURAVI ASHISH MISHRA (TMC, Mumbai); SHARMILA ANIL PIMLE (TMC, Mumbai)	Public Health Approaches to Health Promotion	Public Health Approaches in Cancer Screening and Prevention Experiences from Ground Level			2023	978-100096092-1; 978-103257175-1	TMC, Mumbai	CRC Press
203	MEEENA BHASKAR MAHAJAN (IMSc, Chennai)		Query Complexity of Search Problems	Leibniz International Proceedings in Informatics, LIPIcs	48th International Symposium on Mathematical Foundations of Computer Science, MFCS 2023	2023	1868-8969/978-395977292-1	IMSc, Chennai	Schloss Dagstuhl-Leibniz-Zentrum für Informatik GmbH, Dagstuhl Publishing
204	T PALANI SELVAM (BARC, Mumbai)	Handbook of Metrology and Applications	Radiation Dosimetry			2023	978-981992074-7; 978-981992073-0	BARC, Mumbai	Springer Nature
205	GOPIKA VINOD (BARC, Mumbai)		Radiation Resistant Camera Testing in India—An Imperative Initiative Towards Sustainable Practice and Proactive Waste Management	Lecture Notes in Mechanical Engineering	Advances in Reliability and Safety Assessment for Critical Systems - Proceedings of the 5th National Conference on Reliability and Safety NCRS 2022	2023	2195-4356/978-981995048-5	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
206	KUMAR ABHINAV DUBEY (BARC, Mumbai); Y K BHARDWAI (BARC, Mumbai)	Materials Horizons: From Nature to Nanomaterials	Radiation-Induced Degradation of Polymers: An Aspect Less Exploited			2023	2524-5384	BARC, Mumbai	Springer Nature
207	CHETAN PRAKASH KAUSHIK (BARC, Mumbai); Gopalakrishnan Sugilal (BARC, Mumbai)	Nuclear Fuel Cycle	Radioactive Waste Management			2023	978-981990949-0; 978-981990948-3	BARC, Mumbai	Springer Nature
208	CHILAKAPATI MURALI KRISHNA (TMC, Mumbai); Sanjay Gupta (TMC, Mumbai)		Raman spectroscopy in vitro cell cultures: Understanding chemoresistance	Proceedings of SPIE - The International Society for Optical Engineering	Emerging Technologies for Cell and Tissue Characterization II 2023	2023	0277-786X/978-151066467-8	TMC, Mumbai	SPIE
209	MURTHY VEDANG (TMC, Mumbai)	Translational Radiation Oncology	Randomized controlled trial			2023	978-032388423-5; 978-032388424-2	TMC, Mumbai	Elsevier
210	Hitesh Kumar B Pandya (IPR, Gandhinagar)		Rapid scanning polarizing Martin Puplett type THz Fourier transform spectrometer (FTS) for ITER ECE measurements	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023	2023	979-835032826-4	IPR, Gandhinagar	Institute of Electrical and Electronics Engineers Inc.
211	KAPILESH BHARGAVA (BARC, Mumbai)		Recent Advances in Estimation of Dynamic Soil Properties	AIP Conference Proceedings	2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, FSAET 2021	2023	0094-243X	BARC, Mumbai	American Institute of Physics Inc.
212	ASIM KUMAR GHOSH (BARC, Mumbai)	Recycled Polymer Blends and Composites: Processing, Properties, and Applications	Recycling of commonly used waste plastics to fabricate membranes for filtration applications			2023	978-303137046-5; 978-303137045-8	BARC, Mumbai	Springer International Publishing
213	Archana N Rai (BARC, Mumbai)	Plant Transposable Elements: Biology and Biotechnology	Regulation of transposable elements in plant genomes			2023	978-100063872-1; 978-177491181-5	BARC, Mumbai	Apple Academic Press
214	DINESH KUMAR ASWAL (BARC, Mumbai); MUKUND SHRINIVAS KULKARNI (BARC, Mumbai)	Handbook of Metrology and Applications	Relevance of Radiometric Metrology in NORM Industries and Radiological Safety			2023	978-981992074-7; 978-981992073-0	BARC, Mumbai	Springer Nature
215	SHILPEE DUTT (TMC, Mumbai)	Cancer Stem Cells and Signaling Pathways	Role of cancer stem cells in maintenance of tumor heterogeneity in brain tumors			2023	978-044313212-4; 978-044313211-7	TMC, Mumbai	Elsevier
216	ARVIND INGLE (TMC, Mumbai); CHILAKAPATI MURALI KRISHNA (TMC, Mumbai); RUKMINI GOVEKAR (TMC, Mumbai)		Serum raman spectroscopy in experimental carcinogenesis: Explorations on role of tumour load	Proceedings of SPIE - The International Society for Optical Engineering	Translational Biophotonics: Diagnostics and Therapeutics III 2023	2023	0277-786X/978-151066463-0	TMC, Mumbai	SPIE
217	SURYA KUMAR PATHAK (IPR, Gandhinagar)		Simple Beam Switching Cylindrical Dielectric Resonator Antenna Using Helix	2023 International Microwave and Antenna Symposium, IMAS 2023	1st International Microwave and Antenna Symposium, IMAS 2023	2023	978-166549075-7	IPR, Gandhinagar	Institute of Electrical and Electronics Engineers Inc.

218	BEDAGADAS MOHANTY (NISER, Bhubaneswar)		Simulating Response of a Liquid Scintillation Detector to Gamma and Neutrons	Springer Proceedings in Physics	International Workshop on Advanced Radiation Detector and Instrumentation in Nuclear and Particle Physics, RAPID 2021		2023	0930-8989/978-303119267-8	NISER, Bhubaneswar	Springer Science and Business Media Deutschland GmbH
219	ARCHANA SHARMA (BARC, Mumbai)		Simulation and Analysis of Medium-Voltage Low-Speed Cyclo-Converter Synchronous Motor Drive and Issues with on-Load Speed Trimming	Lecture Notes in Networks and Systems	1st International Conference on Smart Technologies for Power and Green Energy, STPGE 2022		2023	2367-3370/978-981192763-8	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
220	DURAIRAJ PONRAJU (IGCAR, Kalpakkam)		Simulation Experiments on Sodium Leak Through Pipe Cracks	Lecture Notes in Mechanical Engineering	48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021		2023	2195-4356/978-981196269-0	IGCAR, Kalpakkam	Springer Science and Business Media Deutschland GmbH
221	P MANGARIJUNA RAO (IGCAR, Kalpakkam)		Simulation of Single-Phase Series Coupled Natural Circulation Loops using the Numerical Model Developed	Lecture Notes in Mechanical Engineering	48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021		2023	2195-4356/978-981196269-1	IGCAR, Kalpakkam	Springer Science and Business Media Deutschland GmbH
222	KAPILESH BHARGAVA (BARC, Mumbai)		Site-specific Rainfall Analysis to Generate Design Parameters: A Case Study	AIP Conference Proceedings	2nd International Conference on Futuristic and Sustainable Aspects in Engineering and Technology, FSAET 2021		2023	0094-243X	BARC, Mumbai	American Institute of Physics Inc.
223	Jyeshthraj Bhaichandra Joshi (HBNI Central Office)	Handbook of Multiphase Flow Science and Technology	Solid Suspension and Solid-Liquid Mass Transfer in Stirred Reactors				2023	978-981287092-6; 978-981287091-9	HBNI Central Office	Springer Nature
224	SUBHANKAR BEDANTA (NISER, Bhubaneswar)		Spin pumping with heavy metals, topological insulators and antiferromagnets	2023 IEEE International Magnetic Conference - Short Papers, INTERMAG Short Papers 2023 - Proceedings	2023 IEEE International Magnetic Conference - Short Papers, INTERMAG Short Papers 2023		2023	979-835033836-2	NISER, Bhubaneswar	Institute of Electrical and Electronics Engineers Inc.
225	Shradha Singh (BARC, Mumbai)	Peptide and Protein Drug Delivery Using Polysaccharides	Strategies for the ameliorated production of pharmaceutically important glycosides via plant cell culture				2023	978-044318925-8; 978-044318926-5	BARC, Mumbai	Elsevier
226	SANTOSH MENON (TMC, Mumbai)	Fundamentals in Gynaecologic Malignancy	Stromal Tumour of Ovary				2023	978-981195860-1; 978-981195859-5	TMC, Mumbai	Springer Nature
227	Dipak Kumar Mishra (BARC, Mumbai); LALIT MOHAN PANT (BARC, Mumbai); S P Behera (BARC, Mumbai)		Study of Neutron Response Using Time of Flight Technique in ISMRAN Detector	Springer Proceedings in Physics	International Workshop on Advanced Radiation Detector and Instrumentation in Nuclear and Particle Physics, RAPID 2021		2023	0930-8989/978-303119267-8	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
228	Hemendra Kumar Pandey (VECC, Kolkata)		Substrate Integrated Waveguide Filter Based On Inductive Post Design	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023	2023 IEEE Microwaves, Antennas, and Propagation Conference, MAPCON 2023		2023	979-835032826-4	VECC, Kolkata	Institute of Electrical and Electronics Engineers Inc.
229	HASSAN P A (BARC, Mumbai); K C BARICK (BARC, Mumbai)	Engineered Biomaterials: Beyond Graphene: Synthesis, properties and applications	Surface Engineering of Nanomaterials for Biotechnology Applications				2023	978-981127201-1; 978-981127200-4	BARC, Mumbai	World Scientific Publishing Co.
230	DIMPLE DUTTA (BARC, Mumbai)	Nanomaterials for Sustainable Development: Opportunities and Future Perspectives	Surface-Modified Nanomaterials for Biogenic Applications				2023	978-981991635-1; 978-981991634-4	BARC, Mumbai	Springer Nature
231	NILESH PANDURANG SABLE (TMC, Mumbai)		Survival prediction in renal cell carcinoma patients using machine learning	2023 6th IEEE International Conference on Advances in Science and Technology, ICAST 2023	6th IEEE International Conference on Advances in Science and Technology, ICAST 2023		2023	979-835035981-7	TMC, Mumbai	Institute of Electrical and Electronics Engineers Inc.
232	Tapan Mishra (NISER, Bhubaneswar)		SUSY searches in hadronic final states at CMS	Proceedings of Science	10th Annual Conference on Large Hadron Collider Physics, LHCP 2022		2023	1824-8039	NISER, Bhubaneswar	Sissa Medialab Srl
233	Nivedita Chakrabarty (TMC, Mumbai)	Practical Guide for Imaging of Soft Tissue Tumours	Synovial pathologies				2023	978-100085494-7; 978-103211176-6	TMC, Mumbai	CRC Press
234	PARITOSH CHAUDHURI (IPR, Gandhinagar)	Nanocarbon Allotropes Beyond Graphene: Synthesis, properties and applications	Synthesis and applications of graphene				2023	978-075035177-5; 978-075035175-1	IPR, Gandhinagar	Institute of Physics Publishing
235	Ravindra Jangir (RRCAT, Indore)	Applications of Nanostructured Ferrites	Synthesis of zinc ferrite nanostructures with diverse morphology and its applications				2023	978-044318874-9; 978-044318875-6	RRCAT, Indore	Elsevier
236	Basanta Kumar Nayak (HBNI Central Office)		Systematic study of the (n, p) reaction cross section on ¹¹² Cd isotope from reaction threshold to 20 MeV energies	2023 23rd International Scientific Conference on Electric Power Engineering, EPE 2023	23rd International Scientific Conference on Electric Power Engineering, EPE 2023		2023	979-835033593-4	HBNI Central Office	Institute of Electrical and Electronics Engineers Inc.
237	MANJUSHA DIXIT (NISER, Bhubaneswar)	Gallbladder Cancer: Current Treatment Options	Targeted Therapies in Gallbladder Cancer: Current Status and Future Perspectives				2023	978-981196442-8; 978-981196441-1	NISER, Bhubaneswar	Springer Nature
238	GV PRASAD REDDY (IGCAR, Kalpakkam); M VASUDEVAN (IGCAR, Kalpakkam)		Tensile and Ball Indentation Response of Am350 Steel at Room Temperature	Lecture Notes in Civil Engineering	2nd International Conference on Materials, Mechanics and Structures, ICMMS 2022		2023	2366-2557/978-981193370-7	IGCAR, Kalpakkam	Springer Science and Business Media Deutschland GmbH
239	USHASI DATTA (SINP, Kolkata)		The 46Ar(3He,d)47K direct reaction as a probe of the 46Ar proton wavefunction	Journal of Physics: Conference Series	28th International Nuclear Physics Conference, INPC 2022		2023	1742-6588	SINP, Kolkata	Institute of Physics
240	Jitendra Kumar (BARC, Mumbai)	Advances in Environmental Research	The role of methanol in sustained use of biofuel blends: A chance or a limiting factor?				2023	979-888697763-9; 979-888697717-2	BARC, Mumbai	Nova Science Publishers, Inc.
241	Mala Das (SINP, Kolkata)		The Study of the Frequency of Bubble Oscillation in R-12 Superheated Emulsion for Neutron -Gamma Discrimination	Springer Proceedings in Physics	International Workshop on Advanced Radiation Detector and Instrumentation in Nuclear and Particle Physics, RAPID 2021		2023	0930-8989/978-303119267-8	SINP, Kolkata	Springer Science and Business Media Deutschland GmbH
242	SANDIP KUMAR DHARA (IGCAR, Kalpakkam); T R RAVINDRAN (IGCAR, Kalpakkam)	Nanoscopy and Nanospectroscopy	Theory of Light Scattering and Applications				2023	978-100084577-8; 978-103216388-8	IGCAR, Kalpakkam	CRC Press
243	HASSAN P A (BARC, Mumbai); K C BARICK (BARC, Mumbai)	Engineered Biomaterials: Progress and Prospects	Therapeutic Applications of Functionalized Magnetic Nanoparticles and Composites				2023	978-981127201-1; 978-981127200-4	BARC, Mumbai	World Scientific Publishing Co.
244	Ravindra Jangir (RRCAT, Indore)		Thermal and laser irradiation effects on dielectric properties of zinc ferrite	Materials Today: Proceedings	2022 International Conference on Futuristic Materials, ICFM 2022		2023	2214-7853	RRCAT, Indore	Elsevier Ltd
245	Samiran Sengupta (BARC, Mumbai); Sujay Bhattacharya (BARC, Mumbai)		Three Dimensional CFD Analysis of a Flow Amplifier with multiple Jet Pumps	Lecture Notes in Mechanical Engineering	48th National Conference on Fluid Mechanics and Fluid Power, FMFP 2021		2023	2195-4356/978-981196269-1	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
246	SIDDHARATHA MUKHOPADHYAY (BARC, Mumbai)		Three-dimensional Crustal Velocity Structure of Tehri, Garhwal Himalaya	Lecture Notes in Civil Engineering	17th International Symposium on Earthquake Engineering, SEE 2022		2023	2366-2557/978-981991458-6	BARC, Mumbai	Springer Science and Business Media Deutschland GmbH
247	CD SJOY (BARC, Mumbai)		Tip splitting and ring formation in impact of hollow Al-6061 cylinders on Al-6061 plates	Materials Today: Proceedings	13th International Symposium on Plasticity and Impact Mechanics, IMPLAST 2022		2023	2214-7853	BARC, Mumbai	Elsevier Ltd
248	Subhankar Mishra (NISER, Bhubaneswar)		Tirtha - An Automated Platform to Crowdsource Images and Create 3D Models of Heritage Sites	Proceedings - Web3D 2023: 28th International Conference on Web3D Technology	28th International Conference on Web3D Technology, Web3D 2023		2023	979-840070324-9	NISER, Bhubaneswar	Association for Computing Machinery, Inc
249	SUDIPTA MUKHERJI (IoP, Bhubaneswar)		Topology of Hawking-Page transition in Born-infeld AdS black holes	Journal of Physics: Conference Series	12th International Symposium on Quantum Theory and Symmetries, QTS 2023		2023	1742-6588	IoP, Bhubaneswar	Institute of Physics
250	Suman Bakshi (BARC, Mumbai)	Developing Sustainable and Health-Promoting Cereals and Pseudocereals: Conventional and Molecular Breeding	Transgenic approaches for nutritional quality improvement of cereals and pseudocereals				2023	978-032390566-4; 978-032390689-0	BARC, Mumbai	Elsevier
251	Brahmananda Chakraborty (BARC, Mumbai)	2D Materials-Based Electrochemical Sensors	Transition metal dichalcogenides and hybrids for electrochemical sensing				2023	978-044315293-1; 978-044315294-8	BARC, Mumbai	Elsevier
252	Brahmananda Chakraborty (BARC, Mumbai)	2D Materials-Based Electrochemical Sensors	Two-dimensional materials (2DMs): classification, preparations, functionalization and fabrication of 2DMs-oriented electrochemical sensors				2023	978-044315293-1; 978-044315294-8	BARC, Mumbai	Elsevier
253	G. Sidhar (BARC, Mumbai)		Two-dimensional PIC simulation of the ion-extraction process in an electrostatic field using different electrode configurations	Journal of Physics: Conference Series	14th International Conference on Electron Beam Technologies, EBT 2022		2023	1742-6588	BARC, Mumbai	Institute of Physics

254	ANISH KUMAR (IGCAR, Kalpakkam)	Springer Series in Materials Science	Ultrasonic Non-destructive Materials Characterization				2023	0933-033X	IGCAR, Kalpakkam	Springer Science and Business Media Deutschland GmbH
255	Samik Duttagupta (SINP, Kolkata)		Unconventional Emergent Hall Effect Phenomena and its Modification in a van der Waals Ferromagnet Fe ₃ GeTe ₂	2023 IEEE International Magnetic Conference - Short Papers, INTERMAG Short Papers 2023 - Proceedings	2023 IEEE International Magnetic Conference - Short Papers, INTERMAG Short Papers 2023		2023	979-835033836-2	SINP, Kolkata	Institute of Electrical and Electronics Engineers Inc.
256	RISHI VERMA (BARC, Mumbai)		Understanding the Shielding Effectiveness of Short Carbon Fiber Reinforced MWCNT/Epoxy Composite on Electromagnetic Interference Induced by Partial Discharges	Proceedings of the International Symposium on Electrical Insulating Materials	2023 International Symposium on Electrical Insulating Materials, ISEIM 2023		2023	978-488686437-6	BARC, Mumbai	Institute of Electrical Engineers of Japan
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