



# Indira Gandhi Centre for Atomic Research



## Annual Report 2022



Government of India  
Department of Atomic Energy  
Indira Gandhi Centre for Atomic Research  
Kalpakkam - 603 102

Ram Kumar Maity, T. Sudararajan, K. Velusamy

“An enhanced piecewise linear interface construction template based on c0 correction”

Proceedings of the 48<sup>th</sup> National conference on Fluid Mechanics and Fluid Power (FMFP), December 27-29, 2021, BITS Pilani, Pilani Campus, RJ, India

Dr. B. B. Lahiri,

Young Achiever Award in the 66<sup>th</sup> DAE Solid State Physics Symposium (DAE-SSPS 2022).

M. Vasudevan along with co-authors (D. K. Dwivedi of IIT Roorkee and Anup Kulkarni of Pratt and Whitney) received the W. H. Hobart Memorial Award 2021 of the American National Welding Society for the paper titled “A functionally graded joint between P91 steel and AISI 316L SS”

## Best Poster Awards

S. Murugan, S. Sathees Kumar, M. Krishnamoorthy, V. Praveen Kumar, B.S. Ramesh Babu, Utpal Borah, Mohd Sabih, Alka Kumari, G. Ramesh and M.V. Kuppusamy from Central Workshop Division (CWD) and Quality Assurance Division (QAD), IGCAR.

“Manufacturing experience of Large Austenetic Stainless Steel Inner Vessels (I&II) for Sodium Technology Complex”. Venus Wires Award 2022 for the Best Paper in Stainless Steel Application by The Indian Institute of Welding.

## Seminars, Workshops, Webinars and Meetings

- Seminars, Workshops, Webinars and Meetings
- “The story of Chicago pile” by Dr. P.R. Vasudeva Rao, Vice Chancellor HBNI by IANCAS-SRC at Sarabhai Auditorium on January 6, 2022.
- “Applications of Radiation and Nuclear Technologies for societal benefits” National Hindi webinar at Sarabhai Auditorium on January 10-11, 2022.
- “RTI Act 2005” conducted as Online Training Programme by ATI, Mumbai at Raja Ramanna Auditorium on January 13, 2022.
- Awareness Programme by Internal Compliants committee, women cell at Raja Ramanna Auditorium on February 25, 2022.
- “Sexual harassment of women employess by constitution of CCSHWE” Awareness Programme at Sarabhai Auditorium on February 25, 2022.
- Science day celebration by Indian Women Scientists Association at Raja Ramanna Auditorium on February 28, 2022.
- Swatchchta Pakwada, by Admin at Sarabhai Auditorium on March 2, 2022.
- “ Working place stress management by natural way of life” by Healer A. Pattammal and “Vinnum Pennum” by Smt. Sumathy Kumaravel, Chennai conducted as Awareness Programme at Sarabhai Auditorium on March 8,2022.
- National Conference on Urjavarani 2022 “Disha dialogues In sustainable HVAC and Architecture” by ISHARE at Sarabhai Auditorium on March 9-10, 2022.
- “Orientation workshop for contract labourers” by Admin at Raja Ramanna Auditorium on March 10,2022.
- “Hindi Fortnight Prize Distribution Function” by Hindi section at Sarabhai Auditorium on March 24, 2022.
- “Our Biosphere and Water futures pathways for sustainable Development” by S. Janakarajan Former Professor, MIDS, Chennai, President South asia Consortium for Interdisciplinary Water Resoures studies saci waters, Hyderabad, Water day celebration by AARCO at Sarabhai Auditorium on March 28, 2022.
- “Women are pearls of the nation” talk by Dr. R.Rajammal, women's day celebration by AARCO at Sarabhai Auditorium on March 28, 2022.
- “Acoustic Monitoring of the Oceans and Applications” by Dr. G. Latha, Scientist and Group Head, Ocean Acoustics, NIOT, Chennai and “Journey of a Scientist to an Entrepreneur” by Dr. Rachna Dave, Entrepreneur- Micro Go, Chennai, women's day celebration by IWSA at Sarabhai Auditorium on April 7,2022.

- Baldevraj Memorial lecture - "Additional Challenges before Nuclear Energy in a Net Zero World" by Dr. Anil Kakodkar Chancellor Homi Bhabha National Institute, Mumbai, Chairman, Rajiv Gandhi Science & Technology Commission, Former Chairman AEC & Secretary, DAE by IIM kalpakkam chapter at Sarabhai Auditorium on April 09, 2022.
- "Nuclear Materials & Associated Technology" IIM Course at Sarabhai Auditorium on April 19-20, 2022.
- "IPR and Technology Transfer" Awareness Programme by DAE IPR Cell at Sarabhai Auditorium on April 26, 2022.
- "Pension & Retirement Benefits, Life Management post retirement" training programme by ATI Mumbai at Raja Ramanna Auditorium on May 18 - 19, 2022.
- "Awareness Camp for Contractor Employees" by Enforcement Officer, EFPO at Raja Ramanna Auditorium on May 27, 2022.
- "Yoga for Humanity" by Sr.Prof. K.R. Munirathinam, WCSC Chennai, celebration of Inter Nat. Yoga day at Sarabhai Auditorium on June 21, 2022.
- Inter-Department Meeting between IGCAR and RRCAT collaborative projects at Sarabhai Auditorium on June 23 - 24, 2022.
- Azadi Ka Amrit Mahotsav lecture series - "The Science of Climate Change" by Dr. M. Rajeevan, MoES, Distinguished Scientist, National Centre for Earth Science Studies (NCESS), Kerala & Former Secretary, Ministry of Earth Sciences, Government of India at Sarabhai Auditorium on June 27, 2022.
- "Usage of Spoken Hindi in OL Implementation" and "OL Policy and Noting & Drafting" by Hindi section at Raja Ramanna Auditorium on June 28, 2022.
- "Advancement of Non-oxide Technical Ceramics Towards India's Strategic Self-reliance" by Dr. Abha Bharti, Co-founder, Advisor-Hydrogen & Fuel cell CeraTattva InnoTech IITM Research Park, Taramani, Chennai, IWSA technical talk at Raja Ramanna Auditorium on June 30, 2022.
- Seaborg Memorial Lecture – "Recovery of radio-ruthenium from radioactive feeds - Challenges and strategies" by Dr.P. K.Mohapatra, OS, Head, RCD, BARC at Sarabhai Auditorium on August 16, 2022.
- Azadi Ka Amrit Mahotsav lecture series - "The legend lives – The story of Bhabha" by Dr.G.Amarendra Raja Ramanna Fellow, NFC, Hyderabad, Former Director, MSG & MMG, IGCAR at Sarabhai Auditorium on August 25, 2022
- "Works Procedure and Contract Management" Training Programme by ATI, Mumbai at Raja Ramanna Auditorium on August 25, 2022.
- "National Pension Scheme – II" training programme by ATI, Mumbai at Raja Ramanna Auditorium on August 26, 2022.
- "Acts & Codes" Training Programme by ATI, Mumbai at Raja Ramanna Auditorium on August 29, 2022.
- Azadi Ka Amrit Mahotsav lecture series - "Ocean Science for the Society: Success of Sustained Real-Time Observations of Oceans" by Dr.R.Venkatesan, Former Head, Ocean Observation Systems, National Institute of Ocean Technology, Chennai at Sarabhai Auditorium on August 30, 2022.
- Prof. Brahm Prakash Memorial Materials Quiz (BPMMQ-2022) by IIM kalpakkam chapter at Sarabhai Auditorium on September 09, 2022.
- Celebration of Hindi Fortnight in IGCAR by Hindi Section at Sarabhai and Raja Ramanna Auditorium on September 22-29, 2022.
- 55th Engineer's day celebration - " Smart Engineering for Better World" by Dr.N. Anandavalli, Director CSIR-SERC, SERC campus Tharamani Chennai at Sarabhai Auditorium on September 23, 2022.
- "Sub Conventional Aerial Threats" awareness Programme by Air force official at Sarabhai Auditorium on October 14, 2022.
- Graduation day 16th batch (OCES-2021) BARC training school IGCAR campus at Sarabhai Auditorium on October 26, 2022.
- Cyber Security Awareness Workshop by Computer Division at Sarabhai Auditorium on October 31, 2022.
- Vigilance Awareness week by Admin at Sarabhai and Raja Ramanna Auditorium on November 01-04, 2022.
- "Corruption free India for a developed Nation" by Shri M. Sundaravel ,ADSP, Anti-Corruption Branch, CBI, Chennai, Vigilance Awareness week at Sarabhai Auditorium by Admin on November 2,2022.

- Azadi Ka Amrit Mahotsav lecture series - “Advanced Materials and Processing: Challenges and Opportunities” by Dr. Dinesh Srivastava, Distinguished Scientist, Chief Executive, Nuclear Fuel Complex at Sarabhai Auditorium on November 21, 2022.
- Prof. C. V. Sundaram Memorial Lecture - “Nuclear Safety and Need for Nuclear Energy for Future Survival” by Shri G. Srinivasan, Former Director, Reactor Operations and Maintenance Group, Indira Gandhi Centre for Atomic Research at Sarabhai Auditorium on November 22, 2022.
- “Anti Tobacco Awareness” by Dr. B. Dakshinamurthy, Assistant Professor, Department of Respiratory Diseases, Government Omandurar Medical College, Chennai and “Diabetes-The New Epidemic” by Dr. P. Jayaganesh, Professor of Pathology, Saveetha Medical College, Chennai Health Awareness Programme at Sarabhai Auditorium on November 29, 2022.
- One day Hindi workshop by Hindi section at Raja Ramanna Auditorium on November 30, 2022.
- “Pension & Retirement Benefits, Life Management post retirement” training programme by ATI Mumbai at Raja Ramanna Auditorium on December 12 - 13, 2022.

