

## 35<sup>th</sup> IARP National Conference – 2025 (IARPNC2025)

30th January 2025 (Day 2)

Time	Session	Session Title / Break
09:30-10:00	P1	Plenary lecture by Prof Y S Mayya
10:00-11:30	S4	<b>Radiation Safety and Protection in Accelerators, Medical, Industrial and Other Sectors</b> <b>Chairs: Dr M S Kulkarni &amp; Dr S Chandrasekaran, IGCAR</b>
		<b>IT 2 (25 min): Dr. Sureshkumar, HPD</b> <ul style="list-style-type: none"> <li>• T3008 Prasanta Kumar Sahani, RRCAT, BARC, Radiation source term for Petawatt Ti:sapphire laser plasma facility at RRCAT</li> <li>• T3014 Shelly Goel, BARC, Characterization of radioactive waste generated during 99Mo batch production</li> <li>• T2036 Jaison T John, BARC, Depth Profile of NORM levels in two inland Mining areas of IREL Chavara</li> <li>• T2008 Riya Dey, Numerical Modelling of Airflow and Particle Deposition in Containment Pipelines</li> <li>• T3022 Jayadevan P M, Application of Failure Mode and Effect Analysis to Medical Emergency Management in High Dose Iodine Therapy</li> </ul> <b>Presentation by M/s PLA</b>
11:45-13:15	S5	<b>Radiation Dosimetry</b> <b>Chairs: Dr Oza, Head, RSSD &amp; S M Pradhan, RP&amp;AD</b>
		<b>IT 3 (25 min): Dr Pramilla Sawant, RSSD</b> <ul style="list-style-type: none"> <li>• T4004 Athira B Varrier, IGCAR, Contamination Monitors Calibration System</li> <li>• T4007 Lokpati Mishra, RSSD, BARC, Online Actinide In-vivo Monitoring Portal: An overview</li> <li>• T4011 Soumitra Panda, RSSD, BARC, A rapid technique for estimation of 241Am in filter paper using polymer inclusion membrane</li> <li>• T1008 Shailesh Joshi, IGCAR, Ammonium Oxalate Monohydrate as EPR based chemical dosimeter</li> <li>• T4028 Madhur Swarnkar, Assessment of Cosmic Radiation Dose Rate at Visakhapatnam Using Thermoluminescence Dosimeters And Soil Radioactivity</li> </ul> <b>Presentation by M/s Nucleonix</b>

13:15-14:15		Lunch Trade Exhibitions & Poster Display
14:15-15:45	S6	<b>Nuclear Instrumentation and System Development</b> <b>Chairs: Probal Chaudhury, Head, HPD &amp; Dr Shashank, RSSD</b>
		<b>IT 4 (25 min): Dr Rajan, Director, Fast Reactor Fuel Reprocessing, IGCAR</b> <ul style="list-style-type: none"> <li>• T5004 Sagar Baraiya, BARC, Development of a server-based web application for Remote I-131 Monitoring System</li> <li>• T5011 Priyanka J Reddy, RSSD, BARC, Development of methodology for simultaneous estimation of Sr90 and Cs137 concentration in filter paper samples</li> <li>• T5012 Amar D Pant, BARC, Assessment of radio xenon in reactor systems using gamma spectrometry</li> <li>• T5021 Jayesthi Mali, RSSD, BARC, Neutron Fluence rate measurements in experiment canal of FBTR</li> <li>• T5025 Jis Romal Jose, RSSD, BARC, Development of a Communication Interface Module for Backpack Gamma Spectrometry System for Real Time Data Transfer to a Server-Based Web Application</li> </ul> <b>Presentation by M/s Novotec</b>
16:00-17:00		Poster Session
17:00-18:30	S7	<b>Environmental Monitoring and Assessment, Radioisotopes for Studies on Climate Change, Atmospheric Studies</b> <b>Chairs: Dr A. Vinod Kumar, Head, EMAD &amp; Prof. R Sonakawade, Shivaji University</b>
		<b>IT 5 (25 min): Dr S Chandrasekaran, IGCAR</b> <ul style="list-style-type: none"> <li>• T6027 Anmol Batra, A Diagnostic Two-Dimensional Wind Field Model Based on Point-Iterative Technique</li> <li>• T6093 Arya Krishnan K, Thermal oxidation and liquid scintillation counting method for the carbon-14 determination for quantifying the natural and synthetic components in bio-based products</li> <li>• T6012 Anu David Raj, Indian Institute of Remote Sensing, Fallout Radionuclide (<sup>137</sup>Cs) Analysis for Assessing Climate Change Impacts on Soil Erosion-Insights from the Indian Himalayas</li> <li>• T3025 R Jana, Study on the significance of geo-location of micro-meteorological stations on short-term Gaussian Puff Modelling in complex terrains using Ar-41 as a gamma tracer</li> <li>• T6005 Pazhayath M Ravi, Mangalore University, BIOMASS Methodology for Radiological Environmental Impact Assessment (REIA)</li> </ul>