

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

31<sup>st</sup> January 2025 (Day 3)

Time	Session	Session Title / Break
11:15-12:45	S9	<b>Environmental Monitoring and Assessment, Radioisotopes for Studies on Climate Change, Atmospheric Studies</b> <b>Chairs: Dr Vandana Pulhani, EMAD &amp; Dr S. Chitra, HPD</b>
12:45-13:15		<b>IT 6 (25 min): Dr R B Oza, Head, RSSD</b> <ul style="list-style-type: none"> <li>• T6064 Sanyam Jain, ESL, Kaiga, EMAD, BARC, Decadal trend and seasonal variability of gross beta activity in airborne particulate matter at Kaiga, Karnataka</li> <li>• T6059 J.Thulasi Brindha, Kalpakkam, ESL, BARC, Diurnal variation of 3H Activity in air moisture samples at Kalpakkam</li> <li>• T6046 S N Tiwari, EMAD, BARC, of Dose Rates to Non-Human Biota around Rawatbhata Rajasthan through terrestrial route using ERICA</li> <li>• T6044 C.B. Dusane, BARC, Application of in-house synthesized hydroxyapatite for uranium recovery from acidic raffinate samples</li> <li>• T6033 Deepak Kumar, ESL, BARC Narora, Seasonal dynamics of gross alpha, gross beta and Beryllium-7 activity in airborne particulates at the NAPS Narora Site</li> <li>• T2052 Gopal P. Verma, BARC, Investigation of ambient gamma radiation dose rates and radon activity concentrations in the model house constructed using uranium mill tailings</li> </ul> <b>Special lecture from HWB</b>
13:15-14:15		Lunch Trade Exhibitions
14:15-15:45	S10	<b>Existing Exposures</b> <b>Chairs: Prof. Gnanaprakash, Mysore University &amp; I V Saradhi, EMAD</b>
		<b>IT 7 (25 min): Dr Karunakara, Mangalore University</b> <ul style="list-style-type: none"> <li>• T8004 P. Venkatraman, Bharathiar University, Utilizing Scattered Radiation: Activated Carbon-Based Solar Cells for Alternative Energy</li> </ul>

		<ul style="list-style-type: none"> <li>• T8001 Kaliprasad, Seasonal Variations of Uranium Concentration in Water Produced Around Chikkaballapura District, Karnataka, India</li> <li>• T1003 S N Namitha, Radon Exhalation and the Distribution of Uranium, Thorium, and Potassium in Soil of Kodagu District, Karnataka</li> <li>• T6088 A.P. Vijith, Study of continuous behavior of <sup>222</sup>Rn progeny and aerosol size fractions in the indoor air</li> <li>• T8005 Y P Gautam, Measurement of Natural Radioactivity and External Hazard Index in Soil Around GHAVP Site, Haryana</li> </ul>
15:45-16:00		Tea Visit to Trade Exhibitions
16:00-17:00	S11	<b>Radiation Protection Philosophy, Risk Estimates, Regulatory Framework: System of Protection, Standards and Regulation</b> <b>Chairs: Dr P M Ravi &amp; Prof. Ganesh Sanjeev, Mangalore University</b>
		<b>IT 8 (25 min): Dr Haridasan, Ex-IAEA</b> <ul style="list-style-type: none"> <li>• T7003 C S Sureka, Bharathiar University, Principal Component Analysis on Computed Tomography Imaging for Enhanced Disease Detection and Diagnosis.</li> <li>• T7007 Varshitha, Surface Contamination Clearance Levels for Metal Wastes with Uranium Contamination</li> <li>• T7012 Soumen Sinha, A Critique On Criteria For Notifying Nuclear Incident Under Civil Liability For Nuclear Damage Act, 2010</li> </ul>