

17th Biennial DAE-BRNS Symposium on Nuclear and Radiochemistry NUCAR - 2025

23-26 April, 2025

DAY - 4

Saturday, April 26, 2025

Session 12: (09:30 to 11:00)

Session Chair: Dr. N. Sivaraman & Shri M. K. Saxena

- IT-12 : **Back End Fuel Cycle- Status and Current Trends**
Madhuri Shetty, BARC, Mumbai.
- IT-13 : **Recent Advances in Nuclear Waste Management Practices in India**
D. Banerjee, BARC, Mumbai.
- IT-14 : **Advanced Materials for Selective Capture and Removal of Radionuclides in Nuclear Waste Management**
Debajit Sarma, IIT Patna

Tea Break (11:00 – 11:30)

Session 13 (11:30 to 13:00)

Session Chair: Dr. S. Kannan & Dr. Amrit Prakash

- IT-15 : **Development of Fluoride based Salts for Molten Salt Reactor**
S. C. Parida, BARC, Mumbai.
- ISP-7 : **Molten Salt-based Electrochemical De-oxidation of Uranium and Thorium Oxides**
R. Kumaresan, IGCAR, Kalpakkam.
- ISP-8 : **Fissile Zone Identification System (FIZIDS)**
K. Sundararajan, IGCAR, Kalpakkam.
- ISP-9 : **Development of Potentiometric Sensors for Lanthanides and Actinides**
Bholanath Mahanty, BARC, Mumbai.

Lunch (13:00 – 14:00)

Session 14 (14:00 to 15:30)

Session Chair: Dr. V. K. Manchanda & Dr. Y. K. Bhardwaj

- IT-16 : **Regulatory Clearance and Hot Commissioning Experience of DFRP**
K. Rajan, IGCAR, Kalpakkam.
- ISP-10 : **Recent Advances in Industrial Applications of Radiotracers for Process Optimization in Glass Production and Waste Water Treatment**
Jayashree Biswal, BARC, Mumbai.
- ISP-11 : **Medical Cyclotrons: An Essential Need for Cancer Management**
M. R. A. Pillai, Ex- BARC, Mumbai
- ISP-12 : **Radiolabeled Somatostatin Analogs for Diagnosis and Therapy of Neuroendocrine Cancers: In-house Synthesis, Quality Control and Preliminary Clinical Investigation**
V. Kusum Vats, BARC, Mumbai.

15.30 to 17.00: Panel Discussion and Valedictory Function

DAE Convention centre, Anushaktinagar, Mumbai - 400094