

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

23-26 April, 2025

DAY - 3

Friday, April 25, 2025

Session 8: (09:30 to 11:00)

Session Chair: Dr. P. K. Mohapatra & Co-Chair: Dr. P. A. Hassan

- IT-8 : **Production and Applications of Radioisotopes at RIKEN RI Beam Factory- Search for New Elements through Therapy of Cancer**
H. Haba, Nishina Center for Accelerator-Based Science, RIKEN, Japan.
- IT-9 : **Physics Safety and Utilization Aspects of Research Reactors**
Tej Singh, BARC, Mumbai.
- IT-10 : **Climate Change Impacts on Global Water Resources – Role of Nuclear Techniques**
Chidambaram Sabarathinam, Water Research Center, Kuwait Institute for Scientific Research, Kuwait.

Tea Break (11:00 – 11:30)

Session 9 (11:30 to 13:00)

Session Chair: Dr. P. K. Pujari & Co-Chair: Dr. Smeer Durani

- IT-11 : **Delayed Molecular Hydrogen Production in Portlandite Under Irradiation: Reaction Mechanisms and Consequences for the Storage of Radioactive Waste**
Sophie Le Caer, Université Paris-Saclay, France.
- ISP-4 : **Calibration Free Laser Ablation Molecular Isotopic Spectrometry – A New Outlook to the Isotopic Composition Determination of Boron**
Arnab Sarkar, BARC, Mumbai.
- ISP-5 : **Dynamics of Neck-Rupture in Nuclear Fission using Particle Emission as a Probe**
Y. K. Gupta, BARC, Mumbai.
- ISP-6 : **Nuclear Instrumentation & Application of AI**
P. P. Shete, BARC, Mumbai.

Lunch (13:00 – 14:00)

Session 10 (14:00 to 16:30) - Poster session

Session Chair: Dr. A. R. Joshi & Co-Chair: Dr. Umesh Kumar

Presentation by Exhibitors: 70 min

Oral Presentations

A-9, C-28, D-20, F-20, F-29, G-54, G-57

Session 11 (16:30 to 18:00) - Poster session

A13-17

B16-22

C31-34, C36-43

D17-19, D21-22, D25-26

E21-30

F32-38, F40-46

G38-53, G55-56

H3-4

I14-17, I19-20

19.30 onwards Dinner

DAE Convention centre, Anushaktinagar, Mumbai - 400094