

108th DAE BRNS-IANCAS NATIONAL WORKSHOP

on

Radiochemistry & Applications of Radioisotopes

05 - 09 February 2024

Organized by



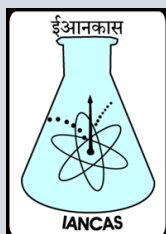
**National Institute of
Technology Sikkim**

(An Institute of National
Importance)

Ravangla, Namchi 737139,
India

Web: www.nitsikkim.ac.in

In Association with



**Indian Association of
Nuclear Chemists**

**& Allied Scientists
(IANCAS)**

C/O Radiochemistry
Division, BARC, Trombay,

Mumbai 400085

Web: www.iancas.org.in



PATRON:

Professor M.C. Govil

Director, National Institute of
Technology Sikkim

Workshop Coordinator

Dr. Arnab Sarkar

Head, Actinide Processing
Section, Fuel Chemistry
Division (FCD), Bhabha
Atomic Research Centre
(BARC)

Workshop Convenors

Dr. Achintesh N. Biswas

Associate Professor & Head
of the Department of
Chemistry, National Institute
of Technology Sikkim

&

Dr. Anindya Biswas

Associate Professor,
Department of Physics,
National Institute of
Technology Sikkim

Important Notes:

The number of
participants for the
workshop is limited to 35.

Therefore, registration is
based on first come first
served basis.

Last date of registration is
30th January 2024.



About the workshop

Established in 1981, the
Indian Association of Nuclear
Chemists and Allied
Scientists (IANCAS) swiftly
gained recognition for its role
in organizing National
Workshops at the university
and college levels, primarily
targeting academia. These
workshops, supported by
DAE-BRNS (Department of
Atomic Energy - Board of
Research in Nuclear
Sciences), provide a platform
for fruitful interactions
among faculty members and
scientists hailing from
diverse educational
institutions and research
organizations. Eminent
scientists with expertise in
nuclear chemistry, nuclear
physics, nuclear reactors,
radioisotope production and
applications, as well as health
and safety aspects, serve as
the key resource persons for
these workshops.



About NIT Sikkim

NIT Sikkim, established in
2010 under the Eleventh Five
Year Plan, has swiftly evolved
into a dynamic center for
technical and research
education. The Institute is in
the breathtaking town of
Ravangla, nestled amidst the
Himalayan terrain. Situated
at an elevation of 2100
meters, Ravangla is
renowned for its natural
beauty and iconic tourist
attractions, such as the
Buddha Park, Ralong
Monastery, and Temi Tea
Garden. Join us at NIT Sikkim,
where academic excellence
meets the serenity of the
Himalayas, and discover the

future of technical and research education.

Scientific Programme

Expert lectures on

- Introduction to Radioactivity and Decay
- Interaction of radiation with matter
- Radiation detection and Measurement
- Nuclear structure and Stability
- Production of Radioisotopes
- Application of Radioisotopes in Health care and Agriculture
- Application of Radioisotopes in Hydrology & Environmental Studies
- Application of Radioisotopes in Industry
- Nuclear Waste Management
- Radiation safety and setting up of a radiological laboratory.
- Nuclear reactors

Practical experiments

- GM Counter – A Gas Filled Detector: Plateau and Dead Time & Measurement of environmental Radioactivity.
- Gamma-ray Spectrometry using NaI (TI) Detector
- Shielding Experiment using NaI (TI) Detector

Resource Persons

1. **Dr. P.K. Pujari**, President, IANCAS, & Ex-Director, Radiochemistry & Isotope Group, BARC
2. **Dr. Arnab Sarkar**, Scientific Officer G, BARC
3. **Dr. Dhanadeep Dutta**, Scientific Officer G, BARC
4. **Dr. Arunasis Bhattacharya**, Scientific Officer G, BARC

5. **Dr. Suresh Subramanian**, Scientific Officer G, BARC

6. **Dr. Sitangshu Chatterjee**, Scientific Officer E, BARC

7. **Sh. Pratik Das**, Scientific Officer D, BARC

Call for Participation

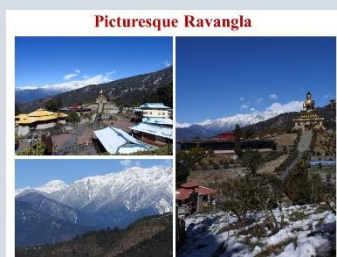
Applications are invited in the enclosed 'Participation Form' from corporate / industry persons, faculties / scientists, research scholars and M. Sc. / M.Tech. / B.Tech students in the relevant areas like Chemistry, Physics, Bioscience / Biotechnology, Health Sciences, Pharmaceutical Sciences, Engineering Sciences, Water Technology & Nuclear Science.

No registration fees to attend the Workshop; however, registration is compulsory for participation.

Seats are limited and it will be filled up on first come first served basis.

The enclosed Participation form or its photocopy duly filled and signed may be sent to the

Convener (Email: achintesh@nitsikkim.ac.in) on or before 30th January 2024.



108th DAE BRNS-IANCAS NATIONAL WORKSHOP

on

Radiochemistry & Applications of Radioisotopes

05 - 09 February 2024

REGISTRATION FORM

1.Name:

2.Designation:.....

3.Organization & Address:

.....
.....
.....

4.Contact No.:

5.Email:.....

Date:

Signature of the applicant

Or

[Click here](#)

For any query, please contact the Workshop Coordinators:

Dr. Achintesh N. Biswas
(Email:

achintesh@nitsikkim.ac.in)

Dr. Anindya Biswas

(Email:

anindya@nitsikkim.ac.in)