ABOUT THE WORKSHOP

The **DAE-BRNS IANCAS National Workshop & Outreach Program** on "*Nuclear Sciences and Application of Radioisotopes*" is a five-day national-level scientific programme designed to provide participants with a comprehensive understanding of the fundamentals of Nuclear Sciences and, applications of radioisotopes. The workshop will provide an opportunity to learn from experts associated with nuclear science and allied research institutions. The programme will focus on the scientific principles of radioactivity, radiochemical techniques, radioisotope production, radiation detection and measurement, and their applications in areas such as healthcare, industry, agriculture, environmental studies, research and other emerging interdisciplinary domains. The workshop is intended to bridge fundamental knowledge with practical applications, while encouraging interaction among researchers, faculty members, students and professionals working in chemistry, physics, nuclear science and related disciplines

KEY TOPICS

- **Fundamentals of Radiochemistry**
- **Radioisotopes and their Production**
- **Radiation Detection and Measurement**
- **Radioisotopes in Healthcare**
- **Radioisotopes in Agricultural & Food Technology**
- **Radioisotope and Radiation Technology in Industry**
- **Radiation Safety and Regulatory Aspects**
- **DAE Career Opportunities**

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LOCAL ORGANIZING COMMITTEE

Prof. Mahitosh Mondal, Chairman, DMST

Prof. Soumen Das, Professor, DMST

Prof. Manjunatha Mahadevappa. Professor, DMST

Prof. Nishant Chakravarty, Professor, DMST

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116th DAE-BRNS-IANCAS NATIONAL WORKSHOP & OUTREACH PROGRAM

on

"NUCLEAR SCIENCES AND APPLICATION OF RADIOISOTOPES"

Organized by

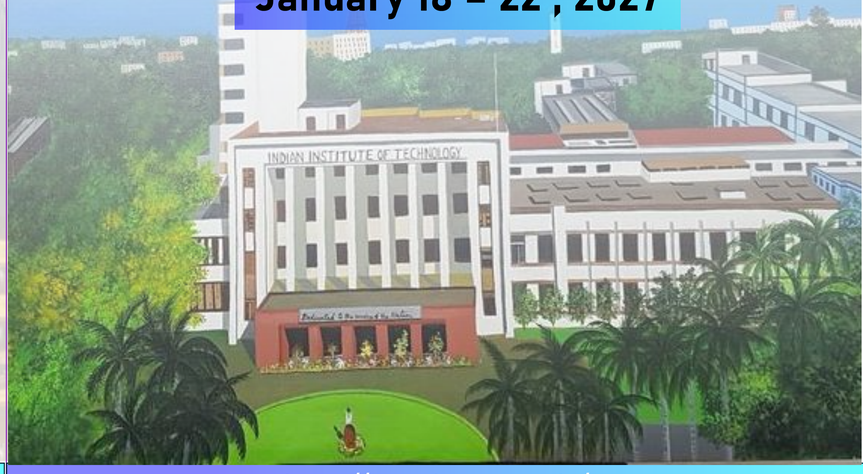
Department of Medical Science & Technology

IIT Kharagpur

In association with

Indian Association of Nuclear Chemists and Allied Scientists (IANCAS), Mumbai

January 18 – 22 , 2027



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ABOUT IIT KHARAGPUR

Indian Institute of Technology Kharagpur (IIT Kharagpur), established in 1951, is the oldest and largest of all the IITs, spanning a massive 2,100-acre campus in West Bengal. Founded to establish India's post-independence industrialization, it offers premier education and research programs across engineering, science, management, law, and medicine.

As an **Institution of National Importance**, its significance lies in its profound impact on India's technological self-reliance, scientific advancement, and economic growth. The institute acts as a vital hub for cutting-edge research, produces top-tier global leaders and innovators, and directly advises the government on crucial national policies, infrastructure projects, and strategic technologies.

ABOUT DMST, IIT KHARAGPUR

The **Department of Medical Science & Technology (DMST)** at IIT Kharagpur was established in 2001 to integrate medical science with technology through interdisciplinary education and research. It offers India's first three-year Master's program in Medical Science and Technology (MMST) for MBBS graduates, a four-semester MTech in Medical Imaging and Informatics, Biomedical Engineering and PhD programs.

DMST also offers 3 year M.Sc. in Nuclear Medicine and Medical Physics along with 4 year B.Tech. in Biomedical Engineering. With collaborations across leading medical institutions and industries, advanced laboratories, and experienced faculty, DMST aims to bridge medicine, biology, and engineering. Its students have also received prestigious international scholarships and fellowships across the world.

ABOUT IANCAS

The **Indian Association of Nuclear Chemists and Allied Scientists (IANCAS)** is associated with the promotion and dissemination of knowledge in nuclear chemistry and allied scientific areas. IANCAS provides a platform for scientific interaction, knowledge exchange and professional engagement among scientists, researchers, academicians and students working in nuclear and allied sciences.

The association's involvement in the workshop will facilitate interaction with experts and contribute to the dissemination of contemporary knowledge in radiochemistry and radioisotope applications.



LAST DATE OF REGISTRATION: 15th December, 2026

A separate email regarding registration fee and payment will be shared to the registered participants post 20th November, 2026

EMINENT SPEAKERS

Prof. Y. K. Bhardwaj
Associate Director, RC&IG
Bhabha Atomic Research Centre, Mumbai

Prof. Vaishali Naik
Former Director
Variable Energy Cyclotron Centre, Kolkata

Prof. Tapas Das
Head, Radiopharmaceuticals Division
Bhabha Atomic Research Centre, Mumbai

Prof. S. Gautam
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ELIGIBILITY

- **Faculty members** and researchers from **Chemistry, Physics, Nuclear Science, Medical Science, Food and Agricultural Science, Materials Science** and allied disciplines.
- Research scholars and **Ph.D. students** working in areas related to **radiochemistry, radioisotopes, nuclear science** and allied fields.
- **Postgraduate students** of **Chemistry, Physics, Biology** and related science disciplines interested in nuclear and radiochemical applications.
- Participants from **interdisciplinary areas** interested in the applications of radioisotopes in healthcare, industry, agriculture, environment and scientific research.

WHY SHOULD YOU ATTEND?

- **Learn from Experts in Nuclear Science**
- **Strengthen Fundamental Knowledge**
- **Gain Hands On Experience**
- **Understand Real-World Applications**
- **Gain Exposure to Radiochemical Techniques**
- **Explore Industrial and Agricultural Applications**
- **Identify Research Opportunities**
- **Build Professional Networks**
- **Promote Scientific Awareness and Safety**