

114TH DAE BRNS-IANCAS NATIONAL WORKSHOP AND OUTREACH PROGRAM

on

NUCLEAR SCIENCES & APPLICATIONS OF RADIOISOTOPES

SEPTEMBER 7-11, 2026

Organized by
Department of Physics, School of Physical Sciences
NIILM University, Kaithal

In association with
Indian Association of Nuclear Chemists and Allied Scientists
Mumbai - 400 085



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Vice Chancellor
NIILM University, Kaithal

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NIILM University, Kaithal

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Prof. (Dr.) Rekha Gupta
Dean, School of Commerce & Management,
NIILM University, Kaithal

Workshop Coordinator
Dr. Manoj Kumar Sharma
BARC, Mumbai





ABOUT THE WORKSHOP

The Department of Physics, NIIILM University, Kaithal, Haryana is organizing the 114th DAE BRNS- IANCAS National Workshop and Outreach Program on "Nuclear Science und Applications of Radioisotopes" during 7-11 September 2026 in association with Indian Association of Nuclear Chemists and Allied Scientists (IANCAS), Mumbai.

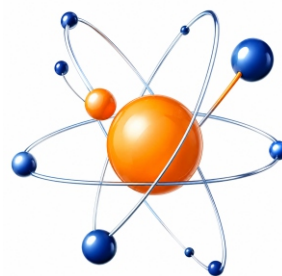
This workshop aims to illuminate the significance of nuclear science and its diverse applications across various domains such as healthcare, agriculture, polymer sciences, biosciences/biotechnology, pharmaceutical sciences, environmental sciences, and industry. Moreover, it endeavours to dispel misconceptions prevalent in society regarding nuclear radiations and nuclear energy.

Lectures in nuclear physics, nuclear chemistry, nuclear reactors, radioisotope production and application, as well as health and safety aspects, will be the delivered in the workshop. The daily program structure will include 2-3 lectures during the morning session followed by experimental sessions in the afternoon. These sessions will feature hands-on laboratory experiments designed to enrich and benefit the participating individuals.

IANCAS OUTREACH

Through its various outreach programs, IANCAS endeavours to motivate the researchers and scientists to achieve excellence in the field of nuclear and allied sciences. As a part of outreach programs, IANCAS regularly conducts Workshops on "Nuclear Sciences and Applications of Radioisotopes" at various Universities, Institutes, Schools and Colleges. These Workshops may play a key role in motivating the young researchers and encouraging them to pursue a career in Nuclear Sciences and Industry.

IANCAS was founded in 1981 with an objective of popularizing nuclear science among the scientific community in the country. Under its mandate, IANCAS is continuously promoting the subject of nuclear and radiochemistry, and use of radioisotopes & radiation sources in education, research, agriculture, medicine and industry by organizing seminars and workshops



IANCAS OFFICE BEARERS

Dr. P.K. Mohapatra

President, IANCAS

Dr. S.C. Panda

Vice President (HQ), IANCAS &
Chairman, IANCAS Workshops

Dr. S.C. Tripathi

Vice President (O), IANCAS

Dr. S. K. Shama

Secretary, IANCAS & Scientific Officer,
RCD, BARC, Mumbai

Dr. Pranaw Kumar

Treasures, IANCAS & Scientific Officer,
FCD, BARC, Mumbai

ABOUT THE UNIVERSITY



The University was established in the year 2011 under the Private University Act, 2006. It is pertinent to mention here that this University is located in the hinterland of Haryana and providing quality education mostly to the rural students. University is dedicated in delivering value education with skill component with an objective to provide livelihood to each of the students who passes out from the University. The University is geared up to implement NEP 2020 with full vigour and further to focus on the values of equality, equity, accessibility, accountability so as to enrich its students with knowledge, skills of 21st Century and values to increase their employability by enhancing their accessibility to quality education, ensuring equity and inclusion, encouraging highest standards in teaching and learning with accountability, promoting best practices in research and innovation.

ABOUT THE DEPARTMENT

The Department of Physics at NIILM University, Kaithal is one of the leading departments in terms of research. The department supports all undergraduate and postgraduate students by providing them with a firm foundation in physical sciences through state-of-the-art teaching by offering them basic and advanced courses on physics. The Department has made its mark at the national and international level with several externally funded research projects, national-level awards, and research collaborations across the country and globe.

ORGANIZING COMMITTEE

Dr. Sanjeev Narwal	Mr. Ompal Gupta
Dr. Rishika Bnhardwaj	Dr. Bharti
Dr. Neelam Verma	Mr. Simranjeet Singh
Dr. Nita Kaushik	Ms. Shivani
Dr. Suman Bhukkal	Ms. Anu Rani
Dr. Rajiv Pal	Mr. Ravinder
Dr. Pankaj Kumar	Ms. Aarushi
Dr. Manav Kaushik	Dr. Neetu Dhanda
Dr. Rajesh Pandey	Mr. Rahul Singla
Mr. Shivam Singh	

LECTURES - MORNING SESSIONS

Lectures on nuclear science and applications of radioisotopes:

- Introduction to Radioactivity
- Theory of Radioactive Decay
- Interaction of Radiation with Matter, and Radiation Detection / Measurement
- Chemistry of Actinides
- Introduction to Nuclear Reactors
- Radioisotopes in Healthcare
- Application of Radioisotopes and Radiation in Industry
- Production of Radioisotopes
- Radiation Safety & Setting up a Radiation Safety Laboratory
- DAE Technologies for Societal Applications

2 to 3 lectures each morning

EXPERIMENTS & REGISTRATION



Hands-on Laboratory Sessions

Afternoon laboratory experiments designed to enrich participants:

- **G.M. Counter:** Plateau & Statistics
- **G.M. Counter:** Determination of Dead Time
- **Nal(Tl):** Determination of Attenuation Coefficient
- **Nal(Tl):** Determination of Detector Resolution
- Radio-immuno Assay



Registration

Registration fee is non-refundable. Participants must arrange their own accommodation.

Registration Fees Only 500 Rs./-

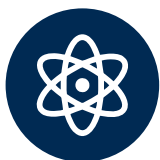
Category

Faculty / Scientists / Research Scholars / RA / PDF
UG / PG Students Participants from Industry
Participation certificate will be issued.

Career Advancement Scheme (CAS)

Promotions as per UGC norms.

WHY ATTEND?



Learn
directly from
Experts



Hands-on
Laboratory
Session



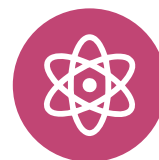
Participation
Certificate



CAS benefit
for UGC Faculty
Promotions



Network with
Nuclear Science
Community
Across India



Explore
Interdisciplinary
Nuclear
Applications

Explore interdisciplinary nuclear applications.

PAYMENT & KEY HIGHLIGHTS

Bank Details

Name : NIILM University-FEE & COLLECTION
Account No. : 50200115197753
IFSC Code : HDFC0003231
Branch Name : Keorak, Kaithal

