

NIILM University
Kaithal

IANCAS
Indian Association of
Nuclear Chemists
and Allied Scientists

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**

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



Chief Patron

Prof. R. C. Kuhad
NIILM University, Kaithal

Patron

Prof. (Dr.) Davinder Singh Dhull
Hon. Vice Chancellor
NIILM University, Kaithal

Convenor

Prof. (Dr.) R.K. Gupta
Registrar
NIILM University, Kaithal

Organising Secretary

Prof. (Dr.) Gautam Kumar
Dean, School of Pharmaceutical
Science

Workshop Coordinator

Dr. Manoj Kumar Sharma
BARC, Mumbai

ABOUT THE WORKSHOP

The Department of Physics, NIILM University, Kaithal, Haryana is organizing the 114th **DAE BRNS-IANCAS National Workshop and Outreach Program on "Nuclear Science and 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 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 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.

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 OFFICE BEARERS

- ❖ Dr. P.K. Mohapatra, President, IANCAS
- ❖ Dr. S.C. Parida, Vice President (HQ), IANCAS
- ❖ Dr. SC. Tripathi, Vice president (OS), IANCAS
- ❖ Dr. S. K. Sharma, Secretary, IANCAS
- ❖ Dr. Pranaw Kumar, Treasurer, IANCAS

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 Members

- | | |
|-----------------------|-------------------|
| • Dr.Rishika Bhardwaj | •Dr. Rajiv Pal |
| • Dr. Neetu Dhanda | •Dr. Suman |
| • Dr. Bharti | •Dr. Pankaj Kumar |
| • Dr. Manav | |
| • Dr. Asha Pandey | •Dr. Aradhna |
| • Mr. Rahul Singla | •Dr. Renu Bala |
| • Ms. Nita Kaushik | •Dr. Geetanjali |
| • Mr. Jasdev Singh | •Dr. Alok |
| • Er. Ompal Singh | Sharma |
| | •Ms. Rekha |

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
- NaI(Tl): Determination of Attenuation Coefficient
- NaI(Tl): Determination of Detector Resolution
- Radio-immuno Assay

Registration

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

- Registration Fees Only Rs. 500

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

PAYMENT & KEY HIGHLIGHTS

Bank Details

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



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.

Important Dates

Workshop: September 7-11, 2026
NIILM University, Kaithal
NH-65, Ambala Road, Kaithal-136027, Haryana