

MADURAI KAMARAJ UNIVERSITY

(Accredited by NAAC with 'A++' Grade in the 4th cycle)

MADURAI-625021, TAMIL NADU

&

HOMI BHABHA NATIONAL INSTITUTE (HBNI), DAE, MUMBAI

(Deemed to be University affiliated to Department of Atomic Energy (DAE))



Jointly organize

Awareness and Interactive Workshop on Advances in Chemical, Physical and Life Sciences at DAE

Date: **February 08 - 10, 2024** (Three Days)

Venue : **RUSA Building, MKU**

This informative and interactive workshop is designed to offer valuable insights and guidance to postgraduate students, research scholars, and academic faculty members interested in the latest advancements and opportunities within the Department of Atomic Energy (DAE). The focus will be on Chemical, Physical, and Life Sciences at eleven Constituent Institutions and the Off-Campus Centre of Homi Bhabha National Institute. The workshop aims to help students and research scholars to explore potential opportunities for further studies and careers across Research and Development departments within DAE. Additionally, it will serve as a platform for current researchers to establish networks and collaborations, providing access to state-of-the-art instrument facilities for their projects. Participants, including faculty members, will have the opportunity to engage with nationally renowned scientists from diverse research and development laboratories affiliated with the DAE.

Chief Patrons

Prof. J. Kumar

Vice Chancellor, Madurai Kamaraj University, Madurai

Prof. U. Kamachi Mudali

Vice Chancellor, Homi Bhabha National Institute, Mumbai

HBNI Coordinator

Dr. B. K. Nayak, Associate Dean, HBNI

MKU Coordinator

Dr. P. Suresh, School of Chemistry, MKU

Organizing Secretaries

Dr. B. Ashokkumar, School of Biotechnology

Dr. P. Varalakshmi, School of Biotechnology

Dr. Basherrudin Mahmud Ahmed, School of Physics

Dr. B. Sivakumar, School of Mathematics

Dr. U. Ramesh, School of Biological Sciences

Dr. P. Kalyani, Dept. of Chemistry (DDE)

Dr. T. Arockia Doss, Dept. of Physics (DDE)

Dr. N. Krishnakumar, School of Physics

About Dept. of Atomic Energy (DAE)

The Department of Atomic Energy (DAE) was established by Central Government of India under the Atomic Energy Act, encompassing a wide spectrum of activities related to both power and non-power applications of atomic energy. The department has played a pivotal role in the development of nuclear power technology, involving exploration, identification, and processing of resources and atomic minerals. Key responsibilities of the Department include the fabrication of nuclear fuel, production of heavy water, construction and operation of nuclear power plants, nuclear fuel reprocessing, and waste management. DAE is actively engaged in research and development across various domains, such as fast reactor and fusion technologies, accelerator and laser technology, advanced electronics and instrumentation, materials science, and biological sciences.

In addition to its focus on power applications, DAE dedicates itself to cutting-edge research and development for the non-power applications of atomic energy. This includes the application of isotopes and radiation technologies in healthcare, food and agriculture, industry, and environmental initiatives.

DAE comprises six research centres-BARC (Mumbai), IGCAR (Kalpakkam), RRCAT (Indore), VECC (Kolkata), AMDER (Hyderabad) and GCNEP (Bahadurgarh), three industrial organizations and five public sector undertaking. DAE has eleven grant-in-aid institutes of international repute engaged in research in basic and applied sciences, cancer research and education (TIFR, SINP, TMC, HRI, IoP, NISER, IMSc, IPR, HBNI, UM-DAE CEBS and AEES). It also has two boards (BRNS and NBHM) for promoting and funding extramural research in nuclear and allied fields and mathematics under its aegis. DAE is at the forefront of research and development, leveraged by a strong synergy between R&D and technology development in several core disciplines of national and international importance. DAE continued to develop and deploy spin-off technologies for societal applications like advanced seed and crop varieties, food preservation, clean water, urban waste management, etc.

Who Can Apply...

Any college within the jurisdiction of Madurai Kamaraj University is invited to nominate 20 participants for this event. The delegation should comprise ten individuals pursuing postgraduate studies and ten research scholars (may change the count depending upon feasibility). Participants should represent the disciplines of Physics, Chemistry, Mathematics and Life sciences. Additionally, faculty members from these colleges are welcome to attend as invitees. The organizers will determine the selection of participants, considering logistical constraints and on a first-come, first-served basis

Registration Fee: Rs. 500/- per participant. No fee for Faculty Members.

Register through the G-form: <https://forms.gle/PPwdKHdfdXCqMbDp7>

(Fee Payment details available in G - form)

Last Date for Registration: February 05, 2024

No Spot Registration

Scan the QR Code
for Registration

