ABOUT ANDHRA UNIVERSITY

Andhra University is one of the oldest educational institutions in the country, mainly devoted to postgraduate teaching and research. Chemistry Department of the Andhra University was started in 1932 and the postgraduate education and research in chemistry also started in the same year. In the year 1983, the sprawling Department was renamed as School of Chemistry to function as three constituent departments. Dept. of Physical, Nuclear Chemistry and Chemical Oceanography is one of the three constituent departments. The major areas of research in the department are Chemical kinetics, Marine natural products, Redox Reactions, Development of Newer Analytical methods. Today the Department has a number of research projects sponsored by DST, UGC, INCOIS and DRDO and over 25 PhD students.

FORM SUBMISSION TO
Prof. R. Murali Krishna/ Dr. P. Shyamala,
Coordinators
85th BARC-IANCAS National Workshop,
Radiochemistry and Applications of Radioisotopes
Department of PNCO, School of Chemistry
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85th BARC-IANCAS National Workshop on Radiochemistry & Application of Radioisotopes
(Jan 6-11, 2014)

Organized by

Department of PNCO, School of Chemistry,
Andhra University, Visakhapatnam
In collaboration with
IANCAS, BARC, Mumbai

Indian Association of Nuclear Chemists & Allied Scientists
[IANCAS]
ABOUT THE WORKSHOP

The Indian Association of Nuclear Chemists and Allied Scientists (IANCAS) was founded in 1981 with an objective to popularize the beneficial aspects of nuclear energy, applications of radio isotopes in physical sciences, biological sciences, agriculture and health cares among the academic community. This workshop will provide a forum for mutual interaction among faculty members and scientists from various research organizations.

Eminent scientists of international repute specialized in topics related to nuclear chemistry, nuclear physics, production and application of radio isotopes, nuclear analytical techniques and applications, etc., will be the resource persons of the work-shop. In addition, special session will also be held on research funding opportunities in nuclear sciences for the benefit of participants associated with teaching and research.

SCIENTIFIC PROGRAMME

Lectures
1. Introduction to Radioactivity
2. Nuclear Stability and Structure
3. Interaction of Radiation with matter
4. Radiation Detection
5. Nuclear Analytical Techniques
6. Neutron Activation Analysis
7. Radioimmunoassay
8. Production and Radioisotopes
9. Isotopes in Chemical and Environmental Research
10. Isotopes in Biology, Agriculture and Health care
11. Chemistry of actinides and lanthanides

Experimental Work
1. Radioactivity detection in environmental samples
2. Radioimmunoassay
3. Separation of radioisotopes and half-life determination
4. Isotope dilution analysis
5. Gamma spectrometry
6. Absorption and detection of nuclear radiation
7. Safe laboratory practices for handling Radio isotopes

Call for Participants
Applications are invited in the enclosed “Registration form” from interested faculty members and researchers in the relevant areas like chemistry, nuclear physics, bioscience and biotechnology, health science, pharmaceutical chemistry and related areas.

Deadlines
Submission of Registration form: 20 December 2013
Intimation of Acceptance: 1 January 2014

Registration
Enclosed registration form or its photocopy may be duly filled in and forwarded by the Head of the Department/Institution. Participants are required to send the registration fee (Rs.700/-) by DD payable at Andhra University, Visakhapatnam drawn on “National Workshop on Radiochemistry” before the deadline. For details contact the conveners.

REGISTRATION FORM

85th IANCAS workshop
Radiochemistry & Application of Radioisotopes

Please fill this form or photocopy and return the same not later than December 20, 2013.
This form may also be downloaded from University web-site, Andhrauniversity.edu.in

Name:__________________________________________
Designation:____________________________________
Organization:____________________________________
Area of Research/Teaching __________________________
________________________________________________
Address:________________________________________
________________________________________________
Details of DD (No./Date)__________________________
Telephone:_______________________________________
Fax:____________________________________________
Email:___________________________________________

Date:                  Signature:
Name:

The above candidate is permitted to participate in the workshop.

Head of the institution