



About the College

The College of Engineering & Technology, Bhubaneswar was established by the Government of Odisha in the year 1981 to meet the growing technical man-power need of the state. It is a constituent college of Biju Patnaik University of Technology (BPUT), Odisha. The College is located in the Technocampus at Kalinga Nagar, near Khandagiri, Bhubaneswar. It offers nine(9) B.Tech, Sixteen(16) M. Tech courses in Engineering and Technology, MCA, B.Arch, B.Planning, M.Arch, M.Planning, 2-yr M.Sc. and 5-yr M.Sc. Integrated M.Sc. programmes. The Major thrust areas are teaching, research & innovations.

About the Department

The department imparts teaching in Applied chemistry to B.Tech students and also to students of M. Sc. in Applied Chemistry (both 2year and 5year Integrated Programmes). In addition, research programmes in kinetics of transition metal complexes and materials chemistry are also pursued. The 2-year Master of Science (M.Sc.) in Applied chemistry programme was started by the Department since 2013 and 5 year Integrated M.Sc. in Applied chemistry was commenced by the Department since 2014. The department has major equipments like Stopped-flow Spectrophotometer, Spectro fluorometer, Cyclic volt meter, Infrared Spectrophotometer, Sound and Velocity meter, UV-Visible Spectrophotometer.

ORGANIZING COMMITTEE

Chief Patron: Prof. S.S.Patnaik
Hon'ble Vice Chancellor
Biju Patnaik University & Technology
Rourkela, Odisha

Patron: Prof. P.K.Patra
Principal
College of Engineering & Technology
Bhubaneswar, Odisha

TEQIP Coordinator : Prof. L. N. Panda

FORM SUBMISSION TO

Dr.A.N.Acharya, Convener

Workshop on Radiochemistry and Applications
of Radioisotopes

Contact details : e-mail:aacharya@cet.edu.in

Mobile : 9437273851

Co-convener : Dr. B. R. Das, Assistant Professor &
HOD Chemistry

Mobile No : 9437182654

E-mail : bigyandas07@gmail.com

Advisory Committee

Prof. L. N. Panda, PIC Administration & Coordinator TEQIP

Prof. P.K. Parhi, PIC & Nodal Officer Academics TEQIP

Prof. K. N. Das, Nodal Officer Finance, TEQIP

Prof. P. K. Parida, Nodal Officer Procurement, TEQIP

Prof. F. Baliarsingh, HOD Civil Engg.

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Prof. M. N. Patnaik, HOD, Bio - Tech

Prof. R. K. Dash, HOD IT

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Prof. B. P. Dash, HOD Textile Engg.

Prof. A. Khandual, HOD F&AT Engg.

Prof. B. R. Das, HOD Chemistry

Prof. M. P. Mishra, HOD M&H

Prof. B. Ojha, HOD Physics

IANCAS OFFICE BEARERS

Dr. A.V.R. Reddy, President, INCAS

Ex - Head, ACD, BARC

Dr. N.L. Das, Vice President(O), INCAS

Advisor, GITAM University, Vizag

Dr. B.S. Tomar, Vice President (HQ), INCAS

& Director RC & I Group, BARC

Dr. R. Acharya, Secretary, INCAS &

Scientific Officer, RCD, BARC, Mumbai

Dr. S. Jeyakumar, Treasurer, INCAS

Scientific Officer, RACD, BARC, Mumbai

A three-day DAE BRNS-IANCAS WORKSHOP Radiochemistry and Applications of Radioisotopes October 20-22, 2016



ORGANIZED JOINTLY BY

Department of Chemistry
College of Engineering and Technology, Bhubaneswar-751029
(Under R & D of TEQIP-II)

In collaboration with
Indian Association of Nuclear Chemists & Allied Scientists
[IANCAS]

C/O Radiochemistry Division
Bhabha Atomic Research Centre,
Trombay, Mumbai – 400 085
Web: www.iancas.org
Email: secretaryiancas@gmail.com

ABOUT THE WORK SHOP

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 and applications of radioisotopes in science, technology, agriculture and health-care among the academic community. This workshop, as a part of DAE-BRNS, Govt. of India sponsored activity, will provide a forum for mutual interaction among faculty members and scientists from various educational institutions and research organizations. Eminent scientists specialized in topics related to nuclear chemistry, nuclear physics, nuclear reactor, production and application of radioisotopes, nuclear analytical techniques and Health and safety aspects will be the resource persons of the Workshop. The lectures will be supplemented by laboratory experiments for the benefits of the participants. In addition, special session will also be held on research funding opportunities in basic and nuclear sciences for the benefit of participants associated with teaching and research.

SCIENTIFIC PROGRAMME

Lectures

1. Introduction to Radioactivity and Decay
2. Nuclear Stability and Structure
3. Interaction of Radiation with Matter
4. Radiation Detection and Measurements
5. Nuclear Reactors and Accelerators
6. Nuclear Analytical Techniques
7. Radiation chemistry & Applications
8. Radioisotope Production and Applications of Radioisotope in Health Care and industry

EXPERIMENTAL WORK

1. GM Counter: plateau, dead time, statistics
2. Gamma-ray spectrometry: NaI (TI) detector
3. Determination of half-life of a radioisotope

CALL FOR PARTICIPANTS

Applications are invited in the enclosed "Participation form" from mainly faculty members and a few researchers/research scholars in the relevant areas like Nuclear science and technology, Chemistry, Physics, Bioscience/ biotechnology, Health science, Pharmaceutical chemistry etc.

PARTICIPATION

Enclosed Participation form or its photocopy duly filled and forwarded by the Head of the Department/Institution may be sent. Participants are required to send the participation fee (Rs. 1000/-) by DD in favour of "Principal,CET" payable at Bhubaneswar or by Cash at the Department of Chemistry, CET,Bhubaneswar strictly before the deadline. Please. mention in the back side of DD your name, contact No. and IANCAS National Workshop. Please note that the participation fee includes kit material and lunch for all days. Participation fee is waived for faculty member of TEQIP - II institution.

For Accommodation, Participants are requested to arrange their own.

Deadlines

Submission of Registration form (by email or hard copy): September 30, 2016
Intimation of Acceptance: October 10, 2016

Dr. Raghunath Acharya
Workshop Coordinator

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racharyabarc@gmail.com

PARTICIPATION FORM

BRNS-IANCAS Workshop on Radiochemistry & Applications of Radioisotopes

Please fill this form or photocopy and return the same by email not later than Sept 30, 2016. This form may also be downloaded from our Web site : cet.edu.in.

Name: _____

Designation: _____

Organization: _____

Area of Research/Teaching: _____

Address: _____

Details of DD (No. /Date) _____

Accommodation Required: Yes / No

Telephone: _____

Email: _____

Date

Signature