

## ABOUT THE UNIVERSITY

Guru Ghasidas Vishwavidyalaya is one of the Chhattisgarh's largest and oldest institution of higher education and a Central University, located in Bilaspur, Chhattisgarh, India. It was upgraded under Central Universities Act 2009, No. 25 of 2009. Formerly known as Guru Ghasidas University (GGU), established by an Act of the State Legislative Assembly, was formally inaugurated on June 16, 1983. Situated in a socially and economically challenged area, the university is appropriately named to honor the great Satnami Saint Guru Ghasidas (born in the 17th century), who championed the cause of the downtrodden and waged a relentless struggle against all forms of social evils and injustice prevailing in the society. The jurisdiction of the university is spread across the Bilaspur Revenue Division. It covers almost the entire spectrum of the higher education requirements of the local people.

GGV is an active member of the Association of Indian Universities and Association of Commonwealth Universities.

### ADVISORY COMMITTEE:

1. Prof. P. S. Kalsi, Professor of Eminence, School of Chemistry, Shoolini University of Biotechnology and Management Sciences, Solan, HP
2. Prof. A. Thampchapanet, Dean, Faculty of Science, Kasetsart University, Bangkok
3. Prof. S. Parvez, Professor of Chemistry, Pt. Ravi Shankar Shukla University, Raipur
4. Dr. Hemant K. Gautam, IGIB (CSIR Lab), New Delhi

### ADMINISTRATIVE COMMITTEE:

Dr. R.K. Soni, Finance Officer, GGV  
Dr. Sampooranad Jha, DR, Development, GGV  
Shri Abhideep Tiwari, AR, Administration, GGV  
Shri T.P. Singh, AR, Academic Section, GGV  
Shri Suraj Kumar Mehar, AR, Internal Audit, GGV

### SEND PARTICIPATION FORM TO:

#### Dr. Charu Arora

Associate Professor and Head, Department of Chemistry, Guru Ghasidas Vishwavidyalaya, Koni, Bilaspur, Chhattisgarh-495009, Phone: 07587709551, E-mail: chemggv@gmail.com

#### For Accommodation, Contact:

#### Dr. B. Sharma

Email: bsharma05@gmail.com  
Phone: 07748863151, 7898958477

## IANCAS OFFICE BEARERS

**Dr. A.V.R. Reddy**, President, IANCAS & Former Head, ACD, BARC, Mumbai

**Prof. B.S. Tomar**, Vice President (HQ), IANCAS Chairman, IANCAS Workshops, Director, RC&I Group, BARC

**Prof. N.L. Das**, Vice president (O), IANCAS & Dean and Principal, GIS, GITAM University

**Dr. R. Acharya**, Secretary, IANCAS & Scientific Officer, RCD, BARC, Mumbai

**Dr. S. Jeyakumar**, Treasurer, IANCAS & Scientific Officer, RACD, BARC, Mumbai

### Workshop Coordinator

#### Dr. Ashok K. Pandey

Radiochemistry Division, BARC,  
Mumbai-400085, Phone: 022-25594566/  
9869786696, Email: [ashokk@barc.gov.in](mailto:ashokk@barc.gov.in)

### LOCAL ORGANIZING COMMITTEE

#### Chief Patron:

#### Prof. Anjila Gupta

Honorable Vice Chancellor  
Guru Ghasidas Vishwavidyalaya, Bilaspur

#### Patrons:

**Prof. B. N. Tiwary**, Registrar, GGV, Bilaspur

**Prof P. K. Bajpai**, Dean, School of Physical Sciences, GGV, Bilaspur

**Prof G. K. Patra**, Department of Chemistry, GGV

**Convener: Dr. Charu Arora**, Associate Professor and Head, Department of Chemistry, Guru Ghasidas Vishwavidyalaya, Bilaspur

**Co-Conveners: Dr. A. Srivastava, Dr M. Singh**

**Organizing Secretary: Dr S.S. Thakur, Dr V.K. Rai**

### Members:

1. Dr. S. K. Singh
2. Dr. B. Sharma
3. Dr. S. Banerjee
4. Dr. K.V.S. Ranganath

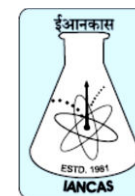


## 96<sup>th</sup> DAE BRNS-IANCAS NATIONAL WORKSHOP

ON

### Radiochemistry and Applications of Radioisotopes August 7-12, 2017

Organized by



Indian Association of Nuclear Chemists  
& Allied Scientists (IANCAS) C/O,  
Radiochemistry Division, BARC,  
Trombay, Mumbai 400085  
Web: [www.iancas.org](http://www.iancas.org)

In collaboration with



Department of Chemistry  
Guru Ghasidas Vishwavidyalaya  
Bilaspur, Chhattisgarh 495009  
Web: [www.ggu.ac.in](http://www.ggu.ac.in)

## 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 and applications of radioisotopes in science, technology, agriculture and health-care among the academic community. This workshop, as a part of DAE-BRNS, 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 reactors, production and application of radioisotopes and health and safety aspects will be the resource persons of the workshop. The lectures will be supplemented by Laboratory experiments for the benefit 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. Radioactivity and Nuclear Decay
2. Interaction of Radiation with Matter
3. Radiation Detection and Measurement
4. Health and Safety Aspects
5. Nuclear Reactors
6. Production of Radioisotopes
7. Radioisotope Applications in Health Care
8. Radioisotope Applications in Food Technology
9. Radioisotope Applications in Agriculture
10. Setting-up of Radiochemical laboratory
11. Applications of Metal Organic Frame Work.

## EXPERIMENTS:

1. GM Counter - a gas filled detector : Plateau, Statistics and Dead Time
2. Gamma-ray Spectrometry using NaI(Tl) detector and Shielding Experiment
3. Determination of Radioactivity in Environment, and Half-life of Radionuclide.
4. Formulation and Quality Control of Radiopharmaceutical using  $^{99m}\text{Tc}$  eluted from a  $^{99}\text{Mo}$ - $^{99m}\text{Tc}$  Radionuclide Generator

### CALL FOR PARTICIPATION

Applications are invited in the enclosed "Participation Form" from faculty members and Researchers in the relevant areas like Nuclear Sciences and Technology, Chemistry, Physics, Bioscience/Biotechnology, Health Science, Pharmaceutical Chemistry etc.

The dully filled Participation Form (enclosed or its photocopy) can be sent to convener till July 30, 2017.

**As you might be aware, participation in this program (6 day workshop) can be accounted towards 'API' required as per UGC norms.**

### PARTICIPATION FEE

*To meet the expenditure towards Registration Kit Material & Tea/snacks for all days.*

**For Faculty & Scientists: Rs 1500/- and Research Scholars : Rs.1,000/Registration must be done through online and SBI gateway only. For this purpose please follow the following steps: go to [www.ggu.ac.in](http://www.ggu.ac.in) →online payment →02 Payment through State Bank of India payment gateway →select Chhattisgarh →Type Educational institute →GURU GHASIDAS VISWAVIDYALAYA BILASPUR →Select payment category OTHERS →Fill up all required box and mention **CHEMISTRY WORKSHOP in Remarks box** and proceed for the next step until the payment is done and receipt is generated. Confirm by sending the scanned copies of receipt to workshop Secretariat strictly before the deadline.**

*Workshop Secretariat*

*Dr. S. S. Thakur  
[santosh.chirality@gmail.com](mailto:santosh.chirality@gmail.com)*

*Dr. V. K. Rai  
[vijaikrai@hotmail.com](mailto:vijaikrai@hotmail.com)*

## PARTICIPATION FORM

### BRNS-IANCAS National Workshop on Radiochemistry & Application of Radioisotopes

**[Send the filled form by email or post  
before July 30, 2017]**

**Name:** \_\_\_\_\_

**Designation:** \_\_\_\_\_

**Organisation:** \_\_\_\_\_

**Area of Research / Teaching:**

**Address:** \_\_\_\_\_

**Details of Fee payment (No./Date):**

**Accommodation Required: Yes / No**

**Telephone:** \_\_\_\_\_

**Email:** \_\_\_\_\_

**Date:**

**Place:** \_\_\_\_\_ **Signature**  
**For accommodation in University Guest  
House, separate charges (Rs 500 per day)  
would be applicable.**