

## How to apply

University/college teachers and students at postgraduate and research level are eligible to apply for the workshop. The registration form can be downloaded from the Rajiv Gandhi University website ([www.rgu.ac.in](http://www.rgu.ac.in)) or can be obtained from the coordinator via email ([dwipen.kakati@rgu.ac.in](mailto:dwipen.kakati@rgu.ac.in) / [deepргу@gmail.com](mailto:deepргу@gmail.com)). The filled in registration form should reach the coordinator via email on or before **28<sup>th</sup> February, 2019**.

No registration fee will be charged for the programme. Furthermore, no TA/DA will be paid. Participants are encouraged to arrange their own accommodation.

For outstation participants accommodation can be arranged on first-come-first serve basis in nearby institute guesthouses. Participants requiring accommodation should transfer the amount (please see the registration form for details) to the following account on or before **28<sup>th</sup> February, 2019**.

Account holder's name: Registrar, Rajiv Gandhi University  
Bank Name: Vijaya Bank  
Branch: Arunachal University Branch  
Account No.: 880201010000950  
IFSC Code: VIJB0008802

### Convener:

**Dr. R. C. Boruah**, FNASc  
CSIR Emeritus Scientist  
CSIR North East Institute of Science & Technology, Jorhat, Assam

### Coordinator:

**Dr. Dwipen Kakati**  
Assistant Professor, Department of Chemistry  
Rajiv Gandhi University, Rono Hills, Doimukh 791 112  
Arunachal Pradesh  
Email: [dwipen.kakati@rgu.ac.in](mailto:dwipen.kakati@rgu.ac.in), [deepргу@gmail.com](mailto:deepргу@gmail.com)  
Mobile: +91 73086 69309; +91 96780 04037

# Science Academies' Lecture Workshop on Medicinal Chemistry and Natural Products: Approaches towards New Drug Discovery

March 7-9, 2019



Organised by  
**Department of Chemistry**  
Rajiv Gandhi University  
Rono Hills, Doimukh  
Arunachal Pradesh 791 112



Indian Academy of  
Sciences, Bengaluru



Indian National Science  
Academy, New Delhi



The National Academy of  
Sciences India, Allahabad

Sponsored by  
**Joint Science Education Panel of the Science Academies**

## About the Lecture Workshop

North-eastern region of India have long been accepted, assessed and protected for its wilderness and enriched diversity of fauna and flora. The region is regarded as one is of the world's "ecological hotspots" having a vast range of species and ecosystem diversity. However, the endemic resources from these region have not yet been fully explored, nor has the prevalent traditional knowledge been completely utilised in finding leads for drug development.

As such, it is highly desirable to bring the students and young researchers from this region to explore the potential of these natural resources and sustainably harness it through research and development. The 3-Day lecture workshop organized by Department of Chemistry, RGU with the Joint Science Education Panel of the three science academies - Indian Academy of Sciences (IASc), Bengaluru; Indian National Science Academy (INSA), New Delhi and The National Academy of Sciences India (NASI), Allahabad will be first of its kind to be organised in the state. The endeavour will heighten the institutional capacity of the region in the context of judicious use of biological diversity, re-evaluation and validation of indigenous knowledge system.

The specific objectives of the workshop are to:

- introduce and encourage the students and young researchers to the importance and prospects of medicinal chemistry and natural products research in the region
- understand how to conduct innovative and socially relevant research in the field of medicinal chemistry and natural products
- discuss the modalities for new drug discovery and IPR related issues
- foster a dialogue between the researchers and experts with a view to establish a long term, sustainable goal for achieving quality and excellence in research and innovation in the field

The Lecture Workshop will feature thematically arranged invited lectures in modern and frontier areas of natural products and medicinal chemistry by eminent academicians/ scientists.

## About the University

Rajiv Gandhi University is the premier institution for higher education in the state of Arunachal Pradesh. It is located atop Rono Hills on a picturesque table top hill overlooking the river Dikrong. The University is about 6 km away from the national highway 415 which connects Itanagar, the state capital with Assam and other parts of India. The nearest airport is Lilabari in Assam, 50 km away from the University. Train services are available from Guwahati (daily) and Dibrugarh (5-days a week) to Naharlagun, 10 km away from the University campus. The climate in Rono Hills during March remain quite pleasant with temperature ranging from 15°C to 20°C.

## About the Department of Chemistry

The Department of Chemistry was established in the year 2011. It marked a humble beginning to impart quality teaching in chemistry and research in frontier areas of chemistry in this region of India.

The Department offers a Two-year M.Sc. programme with specialization in all major areas of chemistry to provide students with the necessary theoretical background and introduction to laboratory methods. In addition to providing a rigorous academic curriculum and a vibrant atmosphere for learning basic and applied chemistry, we aim to produce high-quality graduates who can prove themselves in addressing the challenges in chemistry through research and innovation. Department is striving to mark its footprint in the diverse areas of modern chemical research via its well-trained young faculties. The Department is offering Ph.D. programme in chemistry since 2014. The region being a biodiversity hotspot, there is an immense potential for research and development in the field of natural products and medicinal chemistry. In this regard, we are engaged in sustainably harnessing the vast natural resources and endemic medicinal plants of this region to improve the quality of life of the citizens of the country. The faculties are actively involved in research via sponsored research projects. Since its inception, faculties have been able to receive support for their research projects from various funding agencies such as DST, DBT, CSIR, UGC and DAE-BRNS.

## Speakers

- **Dr. A. K. Sinha, FNASc**  
Medicinal and Process Chemistry Division  
CSIR-Central Drug Research Institute (CDRI), Lucknow, Uttar Pradesh
- **Prof. C. Mandal, FNASc, FNA, FTWAS, FAMS**  
Cancer Biology and Inflammatory Disorder Division  
CSIR Indian Institute of Chemical Biology (IICB), Kolkata
- **Dr. P. K. Tripathi, FNA, FNASc**  
INSA Senior Scientist, Organic Chemistry Division  
CSIR-National Chemical Laboratory (NCL), Pune, Maharashtra
- **Prof. P. V. Bharatam, FRSC**  
Department of Medicinal Chemistry, National Institute of Pharmaceutical Education and Research (NIPER), Mohali, Punjab
- **Prof. R. C. Deka, FRSC**  
Department of Chemical Sciences, Tezpur University, Assam
- **Dr. R. C. Boruah, FNASc**  
CSIR-Emeritus Scientist, CSIR-North East Institute of Science & Technology (NEIST), Jorhat, Assam