



## Information and Announcements

### Science Academies' Refresher Course in Recent Advances in Chemistry 14–26 December 2015

*Sponsored by* Indian Academy of Sciences, Bengaluru  
Indian National Science Academy, New Delhi, The National Academy of Sciences, India, Allahabad

In collaboration with Department of Chemistry, A. S. College, Deoghar, Jharkhand  
(Under S. K. M. University, Dumka, Jharkhand) &  
Department of Applied Chemistry, BIT, Mesra (Deoghar Campus), Deoghar, Jharkhand

A Refresher Course in Recent Advances in Chemistry for College/University teachers and research scholars will be organized at B.I.T., Mesra (Deoghar Campus) in association with A. S. College, Deoghar, Jharkhand for two weeks from December 14 –26, 2015. The Course is aimed at teachers teaching at UG/PG level and research scholars. The Course will cover both basic and advanced topics in Chemistry through lectures and tutorials. College/University teachers having at least a Master's degree in Chemistry are eligible to apply.

**Topics:** Selected topics in a standard UG/PG level course syllabus will be covered. There will be four modules: **Module 1:** Basic Quantum Chemistry, Symmetry & Group Theory, Spectroscopy, NMR, FTIR, Mass Spectrometry and their applications; **Module 2:** Density Functional Theory & Molecular Modeling, Computational Chemistry & Weak interactions, Computer simulations; **Module 3:** Reaction Dynamics, Thermodynamics and Kinetics, Electrochemistry; **Module 4:** Green Chemistry, Nano materials, Nano materials as catalyst in Organic Synthesis. Organic synthesis and reaction mechanism.

**Course Director:** Prof. P. K. Chattaraj (IIT Kharagpur); Course Co-ordinator: Dr. Bijoy K Choudhary, Dept of Chemistry, A S College, Deoghar, Jharkhand. Email: bkc958skmu@gmail.com

**Co-coordinator:** Dr. S. S. Majhi, Dept of Applied Chemistry, BIT Mesra (Deoghar Campus), Deoghar  
Email: ssmajhi@bitmesra.ac.in

Teachers/Research Scholars who wish to participate in this Refresher Course should submit their completed application form online by clicking on the following link: <http://web-japps.ias.ac.in:8080/Refreshcourse/RCRC.jsp>

A hard copy of the application through the Head of the institution should also be sent by speed post to: For any other query, applicants can send an email to: bkc958skmu@gmail.com or ssmajhi@bitmesra.ac.in

**Last date for the receipt of online application: 20 September 2015.**

The selected outstation participants will be provided with local hospitality and round-trip bus/train (3-tier AC) by the shortest route.

