



**RSC** | Advancing the  
Chemical Sciences

**KARNATAKA STATE COUNCIL FOR SCIENCE AND TECHNOLOGY**  
INDIAN INSTITUTE OF SCIENCE CAMPUS, BANGALORE-560012

**ROYAL SOCIETY OF CHEMISTRY, LONDON**  
and  
**JAWHARLAL NEHRU CENTER FOR ADVANCED  
SCIENTIFIC RESEARCH, BANGALORE**

**Jointly organizes**

## **KNOWLEDGE EXCHANGE WORKSHOP - CHEMISTRY**

**Date** : 3-5 October, 2013

**Venue** : Madan Mohan Malaviya Amphitheatre,  
C. N. R. Rao Hall of Science, JNCASR, Jakkur, Bangalore

### **PROGRAMME**

#### **3<sup>rd</sup> October 2013 – First Day**

- 09.00 AM – 09.30 AM : Registration
- 09.30 AM - 10.15 AM : Inaugural Function
- 10.15 AM – 10.30 AM : Coffee Break

### **TECHNICAL SESSIONS**

- 10.30 AM - 10.45 AM : Introduction of the workshop –Introducing key people, overview why the RSC are there, expectations and what intend to achieve
- 10.45 AM - 11.30 AM : Moving towards active learning- Interactive Workshop discussing pedagogical techniques
- 11.30 PM – 12.30 PM : Common Misconceptions in understanding Chemistry - Interactive workshop discussing the themes and ideas that students find difficult to understand and techniques to work around these issues

- 12.30 PM – 01.00 PM : Lecture by  
Dr. Arvind Gambhir  
Director, Academics  
Pearson Education Services Pvt. Ltd, Bangalore
- 01.00 PM – 01.15 PM : Mini Plenary – Summary of the morning's  
workshop
- 01.15 PM - 02.00 PM : **Lunch**
- 02.00 PM – 05.00 PM : RSC Learning workshop in small groups on States  
of Matter & Chemical Changes & Equations -  
Teacher split into smaller groups focusing on ways  
of teaching specific topics
- 05.00 PM – 05.30 PM : Plenary session to reflect on the afternoon  
workshop

#### **4<sup>th</sup> October 2013 – Second Day**

- 09.30 AM – 11.00 AM : Order of learning/sequencing workshop -  
Discussions around how you think what topics to  
be taught in advance of others. With a focus on  
programmes of study and long/medium/short term  
planning
- 11.00 AM - 01.00 PM : Learning workshop in small groups on Periodic  
table and the Nature of Science – Teachers split into  
smaller groups focusing on ways of teaching specific  
topics
- 01.00 PM – 01.15 PM : Mini Plenary- summary of the morning workshop
- 01.15 PM – 02.15 PM : Lunch
- 02.15 AM – 04.45 PM : Practical Laboratory sessions –Interactive session  
looking at experiments that help students  
understanding
- 04.45 PM – 05.00 PM : Plenary session to reflect on the afternoon workshop
- 05.00 PM – 05.30 PM : Interaction by  
Shri V. S. S. Shastry  
Science Communicator, Kolar

## **5<sup>th</sup> October 2013- Third Day**

- 09.30 AM - 10.15 AM : Special lecture by  
Prof. Uday Maitra  
Dept. of Organic Chemistry, IISc
- 10.15 AM – 01.15 PM : Practical Laboratory sessions- Interactive session  
looking at experiments that help students  
understanding
- 01.15 PM – 02.15 PM : Lunch
- 02.00 PM – 04.00 PM : Implementing learning and next steps - Discussions  
on how to put new techniques into action,  
developing action plans with all the delegate  
teachers
- 04.00 PM – 04.30 PM : Evaluation - Review of the workshop
- 04.30 PM – 05.00 PM : Valedictory function