

International Conference on Education in Chemistry – 2014 (ICEC–2014)

December 12–14, 2014

HBCSE, Mumbai, India

Organized by

Association of Chemistry Teachers (ACT)

and

**Homi Bhabha Centre for Science Education
(HBCSE)**

Homi Bhabha Centre for Science Education (HBCSE)
Tata Institute of Fundamental Research
V.N. Purav Marg, Mankhurd
Mumbai 400088

Association of Chemistry Teachers (**ACT**) and Homi Bhabha Centre for Science Education (**HBCSE**), are pleased to announce the **Second International Conference on Education in Chemistry-2014 (ICEC-2014)**, to be held in Mumbai during 12-14 December 2014. The first successful ICEC was hosted at HBCSE in 2010.

There is a growing recognition that improvements are needed in the quality of higher education in the country, that is, in colleges and University Departments. The improvement efforts are directed towards two important areas: (a) updating curricula and syllabi, and (b) modernising teaching strategies and educational delivery systems. These are urgently needed in the chemical sciences, which address vital needs of the society. Systematic and long term changes can be brought about by a research-based approach to transforming the educational scenario in the chemical sciences.

From its inception in the late 1970s, Chemical Education Research (CER) has addressed teaching and learning of chemistry at various levels. Some of the key areas of CER are students' conceptual understanding, problem solving approaches and their implications for learning of chemistry, development and study of content courses in theory and experiment for meaningful learning, the history of chemistry and its relevance for learning concepts in chemistry, use of ICT and the role of affective factors in students' achievement in chemistry.

In India, CER is practised in few institutions, and chemistry education conferences have been too few to make any difference. ICEC-2014 seeks to acquaint chemistry teachers in higher education with developments in CER. The aim is to help the teachers review their own teaching-learning practices in the light of current trends in CER. Through planned discussions relevant to chemistry in higher education, the conference hopes to offer directions for policy planners, developers of curricula and syllabi, and textbook writers.

The conference will include invited review talks by leading international experts in chemistry education, presentations by researchers, and workshops related to content and pedagogy of chemistry as well as research in chemical education. These are designed to expose educators in chemical sciences to available learning resources. Thus ICEC-2014 hopes to create a platform for fruitful interactions among educators in the chemical sciences within and outside India.

Association of Chemistry Teachers (ACT) is the Indian national organization of chemistry teachers, involved in activities to improve tertiary level education within the country in the chemical sciences. (<http://www.associationofchemistryteachers.org>)

Homi Bhabha Centre for Science Education (HBCSE) is a national centre of the Tata Institute of Fundamental Research (TIFR), Mumbai, and is a leading institution in the country for research and development in science, technology and mathematics education. (<http://www.hbcse.tifr.res.in>)

Second International Conference on Education in Chemistry- 2014 (ICEC-2014)

Date: December 12 to 14, 2014

Venue:

Homi Bhabha Centre for Science Education (TIFR), V.N. Purav Marg, Mankhurd, Mumbai-400088, India.

Convenors:

Prof. Savita Ladage (HBCSE, TIFR) and Prof. D. V. Prabhu (Gen. Sec., ACT)

Email: icecindia2014@gmail.com

Tel (O): 022 – 25482103 (Direct), 022– 2507-2324 / 2323

Presentations – Oral and Poster

Only papers related to chemistry education will be considered for oral and poster presentations and will be accepted through a peer review process. For example, the papers describing the following type of work in chemical education will be encouraged:

Innovations in teaching methodology, curricula, laboratory experiments, generation of e-learning material, and classroom based research on teaching-learning practices.

Submission of Abstracts:

An “**Extended Abstract**” of maximum 500 words, should briefly describe the aim, methodology of work done and significant findings. It should be formatted in “Times New Roman” font, 12 point font size, and 1.5 line spacing. It should be converted to a PDF file and submitted by email to: icecindia2014@gmail.com

Registration Fee

For registration details (including registration form and fees) visit the link on conference website: (<http://www.associationofchemistryteachers.org>). Information about the mode of payment will be available on the site by the first week of September 2014. **There will not be any spot registration for the conference.**

Accommodation

Accommodation will be provided only for the outstation participants on the HBCSE campus. For details, including accommodation form and fees, visit the conference site above.

Important Dates to Remember

Last date for receipt of abstract: **1 October 2014**

Date of intimation of acceptance of abstract: **30 October 2014**

Last date for accommodation request: **10 November 2014**

Last date for registration: **15 November 2014**

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