

# ASSOCIATION OF CHEMISTRY TEACHERS

Mailing Address: Homi Bhabha Centre for Science Education (TIFR)

V. N. Purav Marg, Mankhurd, Mumbai -400088.

Regn.No.Maharashtra Government ,Mumbai 922,2010 G B B S D Dated 08-04-2010



The Association of Chemistry Teachers (ACT) was formed in 2000 to serve as an apex national body of Chemistry educators to promote excellence in Chemistry Education. The idea of formulating ACT was conceptualized by Homi Bhabha Centre for Science Education (TIFR), Mumbai which has always been a pillar of great strength and support to the Association. The Association brings together on a common platform higher secondary school teachers, college and university teachers, scientists and researchers from industry for organizing subject related activities.

## THE MAIN OBJECTIVES OF ACT ARE:

- 1) To advance Chemistry education in the country by means of curriculum development and innovations in teaching and evaluation methodologies.
- 2) To organize training workshops, conferences and symposia in different parts of the country including an annual National Convention of Chemistry Teachers (NCCT).
- 3) To forge a vibrant synergistic relationship between academia, industry and research centres for mutual benefit.
- 4) To explore and nurture talent in Chemistry with special reference to the Indian National and International Chemistry Olympiads.
- 5) To collaborate with International Science Teachers' organizations for exchange of ideas and organization of joint programmes.

ACT operates under 6 Zonal Councils with office at HBCSE (TIFR), India.

## SOME OF THE PROMINENT ACTIVITIES OF ACT ARE

- 1) National Convention of Chemistry Teachers (NCCT) held annually in different parts of the country. On an average 250 teachers and researchers participate in the convention.
- 2) Concept Test in Chemistry for B. Sc. students is organized annually from 2011 .
- 3) ACT Research Convention – A series of online lectures on various aspects of Chemistry Research.
- 4) Celebration of National Chemistry Day on December 10 & National Science Day on February 28<sup>th</sup> by organizing Chemistry quiz and essay competitions, oral and poster presentations in schools and colleges.

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- 5) Workshops on “Designing Quality Multiple Choice Questions”.
- 6) Organization of conferences and symposia in different parts of the country.
- 7) Organization of International Chemistry Conferences :
  - i) International Conference on Education in Chemistry (ICEC 2010) in November 2010 to commemorate the International Year of Chemistry (IYC 2011) at HBCSE (TIFR), Mumbai.
  - ii) International Conference on Education in Chemistry (ICEC2014) in December 2014 at HBCSE (TIFR), Mumbai.
  - iii) International Conference on Modern Trends in Chemical Sciences including Green Chemistry (MTCSGC 2018) in December 2018 at SRM Institute of Science and Technology, Ramapuram, Chennai.
- 8) Other Activities:
  - i) DST sponsored Chemistry Popularisation workshops at 12 centres all over India during 2012-2013
  - ii) Teacher training workshops for high school teachers in collaboration with Royal Society of Chemistry (London, UK) under the Dr Yusuf Hamied Inspirational Chemistry Programme of RSC.

## ROLE OF ACT IN THE CHEMISTRY OLYMPIAD PROGRAMME -

ACT plays a key role in the organization of the National Standard Examination in Chemistry (NSEC) which is the first stage examination leading to participation in the Indian National and International Chemistry Olympiads.

## ACT AWARDS -

ACT has instituted 8 awards to recognize Chemistry teachers for their outstanding contributions to Chemistry Education and Research. To commemorate IYC 2011, Tata Chemicals - ACT Best Chemistry Teacher Awards were instituted in 7 categories .

The triannual **ACT Newsletter** can be accessed on the **ACT website**. ACT membership form is available on the **website : [www.associationofchemistryteachers.org](http://www.associationofchemistryteachers.org)**

ACT has a large network of Life and Institutional members spread across the country. ACT is fortunate to have the guidance of the leading chemical Scientists of the Country including **Bharat Ratna Prof C N R Rao**, FRS who are role models for teachers to emulate.