



*National Conference on  
New Frontiers of Research and Education in  
Chemical Sciences*

**and  
NATIONAL CONVENTION OF CHEMISTRY TEACHERS  
(NCCT-2018)**

**25<sup>th</sup> -27<sup>th</sup> OCTOBER, 2018**

**Organized by**

The Association of Chemistry Teachers (ACT)  
C/o Homi Bhabha Center for Science Education, (TIFR), Mumbai,

**Hosted by**

**REGIONAL INSTITUTE OF EDUCATION**  
(NAAC Accredited A+ Institution of NCERT)  
**CAPT D.P. CHAUDHARY MARG,**  
**AJMER-305004 (RAJASTHAN)**



**About the Conference:** The history and development of knowledge of Chemistry is very old and even the periods of human evolution have been classified on its basis such as; stone age and iron age. Almost all aspects of human life are directly or indirectly affected by the Chemistry. With the advent of modern tools and techniques of chemical analysis and characterization of new products, there has been a tremendous progress in the field of researches and application aspects of Chemistry.

The Association of Chemistry Teachers (ACT) c/o Homi Bhabha Center for Science Education, (TIFR) Mumbai, since its inception in 2000, is organizing, facilitating and supporting a host of activities for qualitative development in field of Chemistry. The sustained efforts are being taken by ACT which include Chemistry popularization workshops, seminars, conferences and teacher training programmes. Like previous years the present conference has been planned by ACT to organize along with National Convention of the Chemistry Teachers (NCCTc-2018)- Annual event. The main objective of the conference and the convention is to provide a platform to the Chemistry Researchers, Scientists, Teachers and organizations to present their noteworthy research work in the field of Chemistry. On this occasion, appreciation of the best work presentation and felicitation of best Chemistry teachers will also be done by the ACT.

**Theme of the Conference:**

**National Conference on New Frontiers of Research and Education in  
Chemical Sciences**

**Sub-Themes of the Conference:**

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| 1. <i>History of Chemistry including Ancient Indian Knowledge of Chemistry</i> | 10. <i>Industrial Chemistry</i>                  |
| 2. <i>Environmental Chemistry</i>  | 11. <i>Space Chemistry</i>                       |
| 3. <i>Chemistry of Natural Products</i>  | 12. <i>Nuclear Chemistry</i>                     |
| 4. <i>Green Chemistry</i>  | 13. <i>Bio-Inorganic Chemistry</i>               |
| 5. <i>Nano-Chemistry</i>   | 14. <i>Analytical Chemistry</i>                  |
| 6. <i>Computational Chemistry</i>  | 15. <i>Bio-Chemistry</i>                         |
| 7. <i>Medicinal Chemistry</i>  | 16. <i>Chemistry for Sustainable Development</i> |
| 8. <i>Food Chemistry</i>   | 17. <i>Chemistry Education</i>                   |
| 9. <i>Ayurvedic Chemistry</i>  | 18. <i>Innovations in pedagogy of Chemistry</i>  |

**About the Host Institute:** The Regional Institute of Education (RIE) Ajmer is a constituent unit of the National Council of Educational Research & Training, New Delhi. The Institute exists to provide necessary advice to the states and UTs of Northern Region of the Country, in planning, implementation and monitoring of the National and State level schemes/programmes for the improvement of quality of school education. The Institute runs regular pre-service teacher education programmes including B.Sc. B.Ed., B.A. B.Ed., B.Ed., M.Ed. and P.G. Diploma in Guidance and Counseling. It also organizes need based capacity building programmes in different school subjects for the Key Resource Persons from the states and Uts under its Jurisdiction. Faculty of Institute is also engaged in conducting and supervising researches.

**About the Organizing body:** The Association of Chemistry Teachers (ACT) was established in 2000 to serve as an apex National Body of Chemistry Educators to promote excellence in Chemistry Education. The idea of forming the ACT was conceptualized by Homi Bhabha Centre for Science Education, Mumbai. The Association brings together on a common platform, higher secondary school teachers, College and University Lecturers, Professors, Scientists and researchers from Industry for organizing subject related activities. Since its inception, the

ACT has been striving tirelessly to strengthen Chemistry Education in India and to motivate students to pursue chemistry as a career. The Association plays a pivotal role in the organization of the National Standard Examination in Chemistry (NSEC) which is first stage examination leading to participation in the International Chemistry Olympiad. Following are the **objectives of ACT**.

- To advance Chemistry education by means of curriculum development and innovation in teaching and evaluation methodologies.
- To organize workshops and conferences including an Annual National Convention of Chemistry Teachers (NCCT) in different cities and regions.
- To forge a synergistic relationship between academia, industry and research centers for mutual benefit.
- To explore and nurture talent in Chemistry with special references to the Indian National and International Chemistry Olympiads.
- To collaborate with international Science Teachers' organizations for exchange of ideas and organizations of joint programmes.

**Committees from ACT**

**National Advisory Committee**

**Prof. D.C. Deka**, University of Guwahati – *President ACT*  
**Prof. N. Satyamurty**, Former Director. IISER Mohali- *Former President ACT*  
**Prof. S.R. Gadre**, Emeritus Professor, University of Pune –*Former President, ACT*  
**Prof. S.D. Samant**, ICT, Mumbai, *Former President ACT*,  
**Prof. P.K. Sai Prakash**, Osmania Univ., Hyderabad – *Former President, ACT*  
**Prof. Sudha Jain**, Lucknow University, – *Former President, ACT*  
**Prof. M.S.M Rawat**, Doon University, Dehradun, UK  
**Prof. Prem Mohan Mishra**, MLSM College Darbhanga  
**Prof. P.V.S. MachiRaju** Pragati Engg. College Suampalen,A.P  
**Prof. Brijesh Pare**, Madhar Science PG College Ujjain  
**Prof. Dileep Kumar**, Kalita, Tinsukia, Assam  
**Prof. Hemant Pande**, Hislop College, Nagpur

**National Organizing Committee**

**Prof. V.P. Singh**, RIE Ajmer, Secretary Central Zone ACT (**Convener NCCT 2018**)  
**Dr. D.V. Prabhu**, Wilson College, Mumbai – *General Secretary. ACT.*  
**Mrs. Swapna Narvekar**, HBCSE(TIFR), Mumbai- *Treasurer ACT.*  
**Prof. Brijesh Pare**, Vice President ACT-Central Zone Madhav Sc. PG College Ujjain,  
**Prof. Shraddha Sinha**, B.B. Das National Institute – Tech. and Magmt, Lucknow  
**Dr. Subhash Prasad Singh**, A.N. College, Patna, Bihar  
**Prof. Helen Kavitha**, SRM Institute of Sci. & Tech., Ramapuram Chennai  
**Dr. Meena Uchil**, Wilson College, Mumbai  
**Dr. Naripendra Nath Talukdar**, Kamrup College, Kamrup, Assam  
**Dr. Dheeraj Mandloi**, Institute of Engg. & Tech.. Devi Ahilya Univ., Indore  
**Dr. Surbhi Benjamin**, Pacific College of Basic & App. Scis, PACER Univ. Udaipur

**Committees from Host Institute**

**Chief Patron:** **Prof. H.K. Senapaty**, *Director* NCERT, New Delhi  
**Chairperson:** **Prof. G. Viswanathappa**, *Principal*, RIE (NCERT) Ajmer

**Local Advisory Committee**

**Prof. J.P. Bagchi**, Dean of Instruction, RIE Ajmer  
**Prof. Nagendra Singh**, Dean (Research), RIE Ajmer  
**Prof. S.V. Sharma**, Head DESM, RIE Ajmer  
**Prof. R.K.Parashar**, DESM, NCERT, Delhi  
**Prof. L.K.Tiwari**, Head DEE, RIE Bhopal  
**Dr. N.T. Chhotaray**, DESM, RIE Bhubaneswar  
**Dr. Tamil Selvan**, DESM, RIE Mysore

**Local Organizing Committee**

**Dr. R. B. Pareek**, I/C Chemistry Section, RIE AJMER (**Co-convener**)  
**Dr. Anand K. Arya**, Assistant Professor of Chemistry, LM - ACT  
**Dr. Rajendra K. Sharma**, Assistant Professor of Chemistry  
**Dr. Anil K. Nainawat**, Assistant Professor of Chemistry  
**Sh. Om P. Meena**, Assistant Professor of Chemistry  
**Ms. Vishakha Sharma**, Assistant Professor of Chemistry (Cont.)-LM ACT

**ACCOMMODATION: On Campus:** Accommodation is also available on campus and details are as follows;

Name of the Guest house	Room rent in Rs. (Double Occupancy)	For Category of Participants
Ranjeet Guest House (40 Non-A/C Rooms)	80 per person	Paper Presenters
APJ Abdul Kalam New Guest House (6 A/C Rooms)	400 per person	Invited speakers, Key note speakers and National Advisory/organizing Committee members

**In the City:** Accommodation can also be arranged in the following Hotels in Ajmer City, on payment basis. Delegates can also book hotels of their choice online. If anyone wish to book hotel accommodation in the city through organizers of the conference, please inform us on or before 30<sup>th</sup> September 2018.

Hotels	Type of Accommodation	*Room Rent in Rs. (single occupancy)	*Room Rent in Rs. (double occupancy)
Hotel Embassy	Double A/C Room	1500/-	2100/-
	Superior Deluxe Double A/C Room	3500	5000
Hotel Gulmerg	Double Deluxe A/C Room	1500	2100/-
Hotel Man Singh	Double Deluxe A/C Room	2500	3000/-
New Holiday INN	Double Deluxe A/C Room	1100/-	1500
Hotel Khadim (RTDC)	Double Deluxe A/C Room	2000	3000/-

\*Above quoted Room rents are per day basis and subject to change

**REGISTRATION FEE (In Rs.)**

Category of Participant	up to 25 <sup>th</sup> September 2018	With late fee up to 31 <sup>st</sup> Sept. 2018	Spot Registration
ACT Member	1300/-	1500/-	1600/-
Non ACT Member	1500/-	1700/-	1800/-
Research Scholar	800/-	900/-	1000/-
Student Participants	500/-	600	700?/-
Industry/Corporate Person	3000/-	3500/-	4000/-

- All the delegates are requested to arrange registration fee from the respective Institution or on their own. No TA/DA will be paid.
- The fee includes Delegate Kit, Seminar Proceedings. Breakfast, Lunch, Dinner and Tea etc .

The Registration fee can be paid by demand draft drawn in favour of **Principal RIE Ajmer**, Payable at State Bank of India, RIE AJMER or through RTGS/NEFT.

A/C No.10200605787 IFSC Code: SBIN0015309

**Contact Person for booking Accommodation:**

**Dr. R. B. Pareek, RIE AJMER,**

Mobile No.: 9462085283; Email: rambabupareek@yahoo.com

**ACT AWARDS**

Following ACT awards will be given away during the NCCT 2018;

- Shri Anupama Sinha *Best Chemistry Teacher Award*
- ACT *Best Woman Chemistry Teacher Award*
- Dr. Uma Sai Prakash, *Chemistry Popularization Award*
- Prof. Lallan Singh Award for the *Best P. G. Chemistry Teacher Award*
- Prof. Dr. Bhupendra Sahai Saxena Award for *best P.G. Chem. Teacher*
- Prof. P.R. Singh, *Award for outstanding contribution to Chem.Education*
- **Life-time Achievement Award** to Superannuated Teacher of the Central Zone
- THREE *best oral presentations* and THREE *best poster presentations*.

**Who Can Participate in the Conference:** The teachers, individual researchers, scientists and organizations (including corporate, industrialists, governmental, autonomous and NGOs) engaged in the research and innovative education in the field of Chemical Sciences.

**Information for Travel:** Ajmer is well connected with Rail route from North, South, East and West parts of the country. The nearest Airport is at Jaipur International Airport

**Guidelines for Submission of Abstracts:** The abstract of the research paper not more than 300 words typed in MS Word, Times New Roman font as per the guidelines below:

**Title:** Font Size 14 points and line spacing 1.0

**Author(s):** Size 12' points (underline presenting author's name),

**Email** – Font Size 10'

**Name of the Institution/University/college**

**Abstract:** Font Size 12 points and line spacing 1.5

Abstract should be submitted online as per the above guideline alongwith registration. *The abstract of the registered candidates only, will be considered for oral/ poster presentation.*

**Abstracts, Registration Form and full papers should be sent to:**

email: [nct2018riae@gmail.com](mailto:nct2018riae@gmail.com)

**Oral & Poster Presentation:** Fifteen minutes time will be given to each oral presenter. Presentation is to be made in MS Power Point and to be brought on a CD /USB memory stick. Standard audio Visual equipment and presentation facility will be provided to all oral presenters.

A space of 1x1 meter size will be provided for display of each poster. Posters should be legible for a view from a distance of 4 feet.

All the authors of the selected abstracts will be required to submit full papers upto 6 pages (3000-4000 words) including table and references typed in Times New Roman Font Size 12 points and line spacing 1.5, before making their presentations. **Selected good quality Research papers may be published in the form of book with ISBN number.**

**IMPORTANT DATES**

**Last date for Abstract submission (online): 25<sup>th</sup> September, 2018**

**Notification of Acceptance of paper (online): 28<sup>th</sup> September, 2018**

**Submission Full Papers (online only): 15<sup>th</sup> October, 2018**

**Contact Person:**

**Prof. V.P. Singh, Convener, NCCT-2018 and the Conference Regional Institute of Education,**

**Capt. D.P. Chaudhary Marg, Ajmer-305004, (Rajasthan)**

Mob: 9462315090,

For more Information about ACT please log on to;

[www.associationofchemistryteachers.org](http://www.associationofchemistryteachers.org)

**National Conference on  
New Frontiers of Research and Education in  
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National Convention of Chemistry Teachers 2018  
25-27 October 2018**

**REGISTRATION FORM**

**Name (In Block Letters):** .....

**Institute/University/College:** .....

City:.....Pin.....State.....

Gender : Male  Female

Telephone (Off.) ..... Res:.....

Mob: .....e-mail: .....

**Title of the Abstract( In Block Letters):** .....

Sub-theme: .....

Session (Tick one) : Oral  Poster  Participation

**Accommodation Required:** Yes  No

**If Yes, please indicate the following;**

**Guest House of the Institute:** Ranjeet  New guest House

**Hotel:** Name and Type of Room:.....

Duration of Stay: From..... to.....No of days: .....

**Registration fee details:** .....

Type of Participant: Act Member  LM No. .... Non Act Member

Student/ Research Scholars  Industry Persons

Amount Payable for registration and Accommodation

(If any) DD for Rs.....In words .....

DD No. ....Dated.....

Drawn on .....(Bank)

**Details of Online Transaction:** No. ....Date:.....

**Signature with Date:**