

**NAME** : Dr. Lakshmy Ravishankar  
**DESIGNATION** : Associate Professor  
**DEPARTMENT** : Chemistry  
**QUALIFICATION** : M.Sc ( five year integrated ) from IIT- B  
Ph.D –IIT, Bombay  
**AREA OF SPECIALIZATION** : Organic Chemistry  
**Email** :lakshravi@yahoo.com

**TEACHING EXPERIENCE** : UG -28YRS PG-24 YRS  
**AREA OF RESEARCH INTEREST** : Green synthesis, Multicomponent reactions ,heterocyclic synthesis  
Chemistry Education  
**TEACHING INTERESTS** : Organic Chemistry, Stereochemistry, Spectroscopy and reaction mechanisms  
**LIFE MEMBER** : i) Chemical Research Society of India  
ii) Indian Chemical Society  
iii) Association of Chemistry Teachers

#### **PUBLICATIONS**

- 18 publications in National & International journals

#### **VISITING FACULTY**

- Institute of Chemical Technology-M.Sc programme.
- Centre for Excellence in Basic Science , Kalina –Integrated M.Sc programme

#### **Other Information.**

- Mentor for the National Initiative in Undergraduate Science ( NIUS) programme of Homi Bhabha Centre for Science Education, Mumbai.

### **AWARDS & ACHIEVEMENTS OF DR. LAKSHMY RAVISHANKAR:**

1. First Indian to be nominated to the **'175 FACES OF CHEMISTRY'** project of the Royal Society of Chemistry, U.K to commemorate their 175<sup>th</sup> anniversary in March 2015.
2. Honoured with the prestigious **INSA Teachers' Award 2013** at the National Level by the Indian National Science Academy. for inspiring students to take up careers in Science and Technology
3. Received the **Best Chemistry Teacher Award 2011** at the National Level for **Innovation in Teaching**, from TATA Chemicals and Association of Chemistry Teachers in January, 2012
4. Received **the Chemical Research Society of India (CRSI) 'Best Teacher Award'** at the 1<sup>st</sup> CRSI Zonal meet, held at National Chemical Laboratories, Pune during May 13-14, 2011.
5. Won the **second prize at the National Intercollegiate competition on 'What steps should the chemical industry take to improve the quality of Education and Academic Research in India?'** jointly organized by BASF India and ICT, Mumbai in 2011.
6. Received the **'Best Teacher Award of Mumbai University for the year 2005-06** in recognition of contributions to knowledge, teaching and research.
7. Received the **Chemical Research Society of India (CRSI) 'Best Teacher Award for contributions to Chemical Education'** at the 8<sup>th</sup> National CRSI Symposium in Chemistry, held at IIT, Mumbai during February 3 –5, 2006.
8. Contributions in the **International Chemistry Olympiad**
  - 42<sup>nd</sup> IChO at Japan, 19<sup>th</sup>-27<sup>th</sup> July, 2010. (**Head Mentor**)
  - 38<sup>th</sup> IChO at S. Korea, 2<sup>nd</sup> July to 10<sup>th</sup> July, 2006. (**Mentor**)
  - 37<sup>th</sup> IChO at Taiwan, 16<sup>th</sup>-24<sup>th</sup> July, 2005. (**Mentor**)

## LIST OF PUBLICATIONS

- Assessment and Evaluation in Tertiary Chemistry Education: Are we bothered? Current Science, Vol. 109,18, 2015.
- One pot synthesis of 1,8-Dioxooctahydroxanthenes catalysed by Mg-Al hydrotalcites, Chemistry Journal ,Vol 1, 1,2015
- Mg-Al Hydrotalcite catalysed efficient synthesis of heterocyclic compounds ,Chemistry Journal , Vol. 1, 5, 2015
- Exciting Undergraduates towards Organic Chemistry – the Study Circle Approach, Current Science, Vol. 105,1227, 2013
- ‘Choice-based Credit System: Boon or Bane? Current Science, Vol. 107, 1229,2014.
- ‘Greening’ Undergraduate Chemistry Laboratories in Mumbai, Current Science, Vol. 107, 947, 2014
- Experiments in Education . Enhancing employability skills-Vaze College Model , Management Guru: Journal of Management Research ,Vol 3, Issue 2,102, 2013
- Making Learning in Chemistry Laboratory more meaningful, Current Science, Vol. 104, 1269, 2013.
- Assessing colleges: Teaching or Research, Current Science, Vol. 103,923, 2012.
- Solvent free reductive amination of aromatic aldehydes catalysed by  $\text{CeCl}_3 \cdot 7\text{H}_2\text{O}$  , Green Chemistry Letters & Reviews , Vol. 4, No. 1, 69,2011.
- ‘Cerium ( III) Catalysed synthesis of Schiff Bases- A Green Approach’, Synthetic Communications, 40,3177, 2010.
- ‘Conformational studies of sterically comparable 2,4-disubstituted bicyclo(3.3.1) nonan-9-one systems : Part II’ ,Indian Journal of Chemistry, 35B,1,1996.
- ‘Cycloaddition of citral enamines to  $\beta$  - nitrostyrenes : A Stereochemical consideration’, Indian Journal of Chemistry, 29B,207,1990.
- ‘One-Pot Synthesis of 2-Morpholino-4-Phenyl Bicyclo (3.3.1) nonan-9-ones’, Indian Journal of Chemistry, 28B,303,1989.

- ‘Conformational studies of sterically comparable 2,4-disubstituted bicyclo (3.3.1) nonan-9-one systems’, Magnetic Resonance in Chemistry, 25,960, 1987.
- ‘Structure of 2-morpholino-4-phenyl bicyclo (3.3.1) nonan-9-one’, Acta Crystallographica, C-43,1311 ,1987.
- A new Cerium (III) Catalysed Route to Cinnamyl Alcohols’, Organic Preparations & Procedures International, 17,251 1985.
- ‘Divalent Lanthanides in Organic Synthesis’ , Journal of Scientific & Industrial Research, 43,200 ,1984.

#### Other Publications

1. ‘Laboratory Courses in Organic Chemistry – A Case Study’ , in **Chemistry Education in the ICT Age**, Editors: M.N.Bhowon, S.J.Laulloo, H.L.K.Wah and P. Ramasami, pp.325-332, Springer, February 2009.