

Dr. G. Sekar

Professor
Department of Chemistry
Indian Institute of technology Madras
Chennai, Tamilnadu-600 036, INDIA

B.Sc.: Madras University, India, 1993
M.Sc.: Madras University, India, 1995
Ph.D.: IIT Kanpur, 1999 (Guide: Prof. Vinod K. Singh)



Research Area (Organic Chemistry)

- Organic synthesis
- Metal nanocatalysis
- Halogen bonding catalysis

Postdoctoral Experience

- Caltech, USA, with Prof. Brian M. Stoltz (Feb. 2003 – Dec. 2004).
- Humboldt (AvH) postdoctoral fellow at University of Goettingen, Germany, with Prof. L. F. Tietze (Jul. 2001 – Dec. 2002).
- JSPS postdoctoral fellow at Toyohashi University of Technology, Japan, with Prof. H. Nishiyama (Apr. 2000 – Jun. 2001).

Awards/Honors

- Our recent research regarding conversion of toluene to benzoic acid using Pt-BNP nano-catalyst in water (*Applied Catalysis B: Environmental*, **2019**, 250, 325) is highlighted in “**The Hindu**” national English newspaper (on 31st March, 2019) and DD national (Science) TV / RS TV news (18.5.2019; Science Monitor)
- Regional Coordinator (Chennai), KVPY (2019)
- National Organic Symposium Trust (NOST) council members (Jan. 2019 – Jan. 2023)
- Fellow of Royal Society of Chemistry (FRSC, 2018)
- Fellow of the Academy of Sciences, Chennai (FASCh., 2018)
- Institute Research & Development Awards (IRDA-2017; Mid-career award) by IIT Madras
- Chemical Research Society of India (CRSI) council members (April 2017 – March 2020)
- Bronze medal for year-2015 by Chemical Research Society of India (CRSI)
- AvH Foundation’s (Germany) Equipment Grant (2009-10; Euro 19,778)
- Humboldt Postdoctoral Fellowship (AvH), Germany (July 2001 – December 2002)
- JSPS Postdoctoral Fellowship, Japan (April 2000 – June 2001)

Research Output

- More than 115 research publications in highly rated international journals.
- Graduated 22 Ph.D. students and presently guiding 10 Ph.D. students
- Published one book and one book chapter.