

BIO-DATA

Dr. Sambandam Anandan

Professor, Nanomaterials & Solar Energy Conversion Lab
Department of Chemistry, National Institute of Technology
Trichy 620 015, INDIA

Phone: 91-431-2503639 ; Fax: 91-431-2500133

E-Mail: sanand99@yahoo.com; sanand@nitt.edu

Date of Birth: 2nd June 1972

B.Sc., University of Madras, India, 1993; M.Sc., University of Madras, India, 1995

Ph.D., University of Madras, India, 2002

Postdoctoral fellow: Department of Chemistry, Chungnam National University, Korea Mar 2002– 2003;
Department of Chemistry, Hong Kong University of Science & Technology, Hong Kong 2003 –
2004; JST (Japan), Visiting Scientist, National Institute of Advanced Industrial Science and Technology
(AIST), Nagoya, Japan April 2004 – Mar 2005; Visiting Academic, School of Chemistry, University of
Melbourne, Australia, May-August 2008, Visiting Academic, Department of Environmental Engineering
& Science, Feng Chia University, Taiwan, Dept of Chemistry, Hannover University, Germany.

Professional Appointments

- ❖ Professor, Department of Chemistry, National Institute of Technology, Trichy 620 015, March 2018 Onwards
- ❖ Associate. Professor, Department of Chemistry, National Institute of Technology, Trichy 620 015, November 2008 March 2018.
- ❖ Lecturer/Asst. Professor, Department of Chemistry, National Institute of Technology, Trichy 620 015, July 2006 - November 2008.
- ❖ CSIR Pool Scientist, Central Electrochemical Research Institute, Chennai Unit, Taramani, Chennai 600 113, May 2005 – July 2006.

Awards/Honors

- ✓ Department of Science & Technology (INDIA) award for participation in the meeting of **NOBEL LAUREATES AND STUDENTS in CHEMISTRY** for the year 2006 be held at LINDAU, GERMANY from June 25-30.
- ✓ Royal Academy of Engineering, London selected Dr. Anandan - among the eminent scientist of India for participation in the meeting of **Engineering Challenges of Deployment of New Solar Energy Capacity in India** -Sep 28-29.
- ✓ **Hiyoshi Young Leaf Award - 2009** of Hiyoshi Corporation Japan for Outstanding contribution to applied study for Environmental Conservation and Protection.
- ✓ Chemical Research Society of India – Best Teacher Awardee – for the year **2011**
- ✓ **Hiyoshi Environmental Award - 2014** of Hiyoshi Corporation Japan for Outstanding contribution to applied study for Environmental Conservation and Protection
- ✓ **Best Achievers Awardee - 2020** of National Institute of Technology.
- ✓ **ACT Prof P B Punjabi awardee - 2020** (For Outstanding Contribution to Research in Chemical Sciences) - **Association of Chemistry Teachers, Mumbai**
- ✓ Senior Scientist Awardee-2022 (For Outstanding Contribution to Research in Chemical Sciences) - Tamil Nadu Academy of Science, India

Research Projects funded by DST, CSIR, MOEF, etc

20 research projects are completed (15 crores) and 4 projects are ongoing at present. Also dealing with international projects with countries like Australia, Spain, Taiwan, Italy, and Russia

Research Publications (h-index -53)

More than **360** research publications in international journals, **23** book chapters, 2 Patents, and trained **27** Ph.D. students. (4 under training)

Research Area

- Electrochemical and fluorescence Sensors; Dye-sensitized solar cells; Organic polymer solar cells
- Sonochemical synthesis of nanoparticles towards energy storage applications (supercapacitors)
- Nanophotocatalysts for the study of the decomposition of inorganic and organic pollutants.
- Generation of Hydrogen fuel using semiconductor nanoparticles.

