

## **Prof. E. Arunan**

Professor,

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### **Educational Background**

**B. Sc. (Chemistry)**, The American College, Madurai. 1982

**M.Sc (Chemistry, 1984)** IIT Madras and **M. Tech (Chemical Analysis, 1986)** IIT Delhi.

**Ph. D.** Kansas State University (1991), Adviser: Prof. D. W. Setser

### **Work Experience**

**Post-doctoal** work at University of Illinois at Urbana-Champaign, Prof. H. S. Gutowsky 1992-1994

**Assistant Professor**, Department of Chemistry, IIT, Kanpur. 1995-1997.

**Moved in June 1997** to the Department of Inorganic and Physical Chemistry, IISc, Bangalore and became a **Full Professor** in 2009.

### **Research Interests**

Experimental physical chemistry, Molecular and van der Waals spectroscopy, chemical kinetics and dynamics, hydrogen bonding and other intermolecular interactions, shock wave interactions with molecules and materials.

### **Research Publications**

Over 80 publications in peer reviewed international Journals and about 10 each in Resonance, the Journal of Education and Current Science, published by the Indian Academy of Sciences. The complete list of publications available in my website: <http://ipc.iisc.ernet.in/arunan.html>

### **Invited Talks/Seminars/Lectures**

Have given numerous plenary, key note and invited lectures all over India and many countries in the world including U.S.A, U.K, France, Germany, Italy, Poland, Spain, Russia, Australia, Czech Republic, China, Pakistan, Singapore and South Korea. Given invited talks at most of the premier institutes in India and also in small colleges and high schools all over India. Given invited lectures at Universities, *including at* University of California, Berkeley; Stanford University; Rowland Institute at Harvard University; University of Colorado, Boulder; Wesleyan University; University of Connecticut; Kansas State University; National Oceanographic and Atmospheric Agency, Colorado; University of Massachusetts, Amherst; Moscow State University, Moscow; Fritz Haber Institute, Berlin; Warsaw University, Poland; Milan Technical University, Italy; University of Rennes, France; Universidad del País Vasco, Spain; Czech Academy of Sciences, Prague.

## Awards and Activities

**Fellow of the National Academy of Sciences, India** 2015

**Guest Member of the Editorial Board** 67<sup>th</sup> Annual Reviews in Physical Chemistry 2016

**Member of the Editorial Board** for the Journal of Molecular Spectroscopy 2014-2017

**Fellow of the Royal Society of Chemistry** 2014

**PRL Colloquium** at Physical Research Laboratory, Ahmedabad, 27 November 2013

**ASET Colloquium** at Tata Institute of Fundamental Research, Mumbai, 8 Nov 2013.

**Royal Society Travel Grant** to visit 12 Universities in the USA and attend Molecular Spectroscopy and Shock Wave symposium June-July 2013.

**A.V.Ramarao Foundation Prize Lecture** at the Jawaharlal Nehru Center for Advanced Scientific Research, Bangalore. April 2013

**Fellow of International Union of Pure and Applied Chemistry** 2011

**Member of the International Advisory Board** for 'Horizons in Hydrogen Bond Research" Conference 2011 –

**Member of the International Advisory Board** for the Asian Spectroscopy Conference 2009-2013

**Fellow of the Indian Academy of Sciences**, 2009

**Member of the Programme Advisory Committee** on Physical Chemistry, Department of Science and Technology 2008-2012.

**Member of the International Advisory Editorial Board** for Physical Chemistry Chemical Physics, Royal Society Publication, From 2005.

**Associate Editor** for Current Science from 2013, in the editorial board since 2008

**Associate Editor** for Journal of Chemical Sciences from 2012 in the editorial board since 2008

**Recipient** of Chemical Research Society of India Bronze Medal 2008

**Chairman of IUPAC Task Group** on Hydrogen bonding and other molecular interactions. Redefined hydrogen bonding in 2011.

**Member of the International Advisory Board** for the International Symposium on Shockwaves from 2005.

**Founder Member** of the Indian Society for Shockwave Research 2004.

**Member of International Union of Pure and Applied Chemistry** since 2004

**Member of Chemical Research Society of India** since inception, 1999

**KSU Department of Chemistry Award for Excellence in Research**, 1991.

**KSU Phi Lambda Upsilon Graduate Student of the Year Award**, 1989.

**Member of Phi Lambda Upsilon**, an Honourary Chemical Society in U.S.A. since 1988

**Member of the American Chemical Society** since 1987



### **Personal information.**

Born to Mr. G. Elangannan and Mrs. E. Chellammal on 11th May, 1961 in Madurai, India.

Married to Ms. Thenmozhi, M.S. (Computer science) and have two daughters Bharathi (born 1994) and Indumathi (born 1996).