

## **Department of Chemistry: A Brief Profile**

### **ABOUT THE DEPARTMENT**

The glorious journey of this department began in the year 1961. A galaxy of eminent teachers was attached with this department from the very beginning. Initially there were three specializations: Inorganic, Organic and Physical Chemistry. In the academic session 1984-86, Nuclear-Analytical Chemistry specialization was introduced. The department is growing as an important landmark in the academic map of the country after years for quality teaching and research. The satisfactory performance of the students of this department in various national level examinations like NET, GATE, entrance examinations to BARC, IITs, IISERs and other research institutes of national and international repute renders the department brighter to the nation. The post graduate students from this department go abroad after qualifying GRE/TOEFL for their graduate research. Presently the department has seventeen (17) faculty members and the student intake-capacity at the PG level is seventy five (75). More than eighty (80) research scholars are doing their doctoral research with the present faculty members of the department. Different sponsoring agencies like UGC, DST, CSIR, BRNS, DAE, DST GoWB, etc are providing research funds to most of the research projects. UGC indentified this department as 'Centre for Advanced Studies' in the year 2010. Moreover, the department has successfully completed UGC DSA (Phases I, II and III), COSIST (UGC), FIST-I and -II (DST). Faculty members have the regular practice of visiting research institutes in the country and abroad for their collaborative research, attending seminars, conferences, etc. The PhD recipients of this department also go to different distinguished laboratories abroad for post-doc positions. Not only having good research positions in reputed institutes all over the globe but also the departmental students are very much successful in achieving various jobs in academic, administrative as well as industrial fields after completion of their post graduation from here.

## DISTINGUISHED ALUMNI

### (1) Dr. Purnendu (Sandy) K. Dasgupta



#### Present Address

Professor, University of Texas, Arlington, USA  
Email: [dasgupta@uta.edu](mailto:dasgupta@uta.edu)

- Jenkins Garrett Professor
- Frank R. Blood Award for best publication, Society of Toxicology and Pharmacology, 1981
- Institute Medal, Institute of Industrial Sciences, University of Tokyo, 1987
- P. A. Traylor Creativity Award, Analytical Sciences, Dow Chemical, Midland, MI, 1989
- Outstanding Achievement Award, International Ion Chromatography Symposium, 1989, 2005
- Barney E. Rushing, Jr. 1990 Faculty Distinguished Research Award, Texas Tech University Dads and Moms Association, 1991
- A. A. Benedetti-Pichler Memorial Award, American Microchemical Society, 1998
- Inducted Honorary Member, Korean Society for Environmental Analysis, 2001
- Elected IEEE Senior Member, 2003
- ARCS Foundation, Lubbock Chapter. Scientist of the Year, 2004-2005
- Best Science Paper of 2005, Environmental Science and Technology, Editor's Award, 2006
- ACS Award in Chromatography, 2011
- Dal Nogare Award in Chromatography, 2012
- The Senate of the State of Texas. Honor Proclamation, 2012
- Doherty Award, DFW Section of the American Chemical Society, 2012

### (2) Dr. Shankar Prasad Bhattacharyya



#### Present Address

Raja Ramanna Fellow, Department of Chemistry, IIT Mumbai  
(Ex Senior Professor, Indian Association for the Cultivation of Science)  
Email: [pcspb@iacs.res.in](mailto:pcspb@iacs.res.in)

- Fellow of Indian Academy of Sciences
- J. N. Mukherjee memorial lecture award of Indian Chemical Society

**(3) Dr. Tarasankar Pal**



**Present Address**

Professor, Department of Chemistry, IIT Kharagpur, WB, India.  
Email: tpal@chem.iitkgp.ernet.in

- P. Chakraborty Memorial Award by Indian Chemistry Society (2000)
- D. P. Chakraborty 60th Birth Anniversary Medal from the Indian Chemical Society. (2001)
- Honored as FNA

**(4) Dr. Swapan K. Ghosh**



**Present Address**

Outstanding Scientist and Head, Theoretical Chemistry Section,  
Chemistry Group, Bhabha Atomic Research Centre, India.  
Email: skghosh@barc.gov.in

- Delegation Leader of the Indian team, at the International Chemistry Olympiad in Athens, Greece (2003) and Kiel, Germany (2004).
- AV Rama Rao Prize of Jawaharlal Nehru Centre for Advanced Scientific Research, Bangalore (2002), Silver Medal of the Chemical Research Society of India (2005), TWAS Prize in Chemistry, Jagdish Shankar Memorial Lecture of INSA and J.C. Bose National Fellowship.
- Honored as FNA, FASc, FNASc, FTWAS.

**(5) Dr. Pradip K Mascharak**



**Present Address**

Distinguished Professor of Chemistry and Biochemistry, University of California Santa Cruz, USA  
Email: Email: [pradip@ucsc.edu](mailto:pradip@ucsc.edu)

- Alfred Sloan Fellow
- Excellence through Diversity Award, UCSC
- Innovations in Teaching Award, UCSC
- Fellow of the American Association for the Advancement of Science

**(6) Dr. Akhil R. Chakravarty**



**Present Address**

Department of Inorganic and Physical Chemistry, Indian Institute of Science, Bangalore-560 012, India.  
Email: [arc@ipc.iisc.ernet.in](mailto:arc@ipc.iisc.ernet.in)

- Shanti Swarup Bhatnagar (SSB) Prize in Chemical Sciences, 1998.
- Prof. P. Ray Memorial Award of the Indian Chemical Society, 1998.
- CRSI Silver Medal, 2007.
- Honored as FNA, FASc.

**(7) Dr. R. N. Mukherjee**



**Present Address**

Director, Indian Institute of Science Education Research (IISER),  
Kolkata, India.  
Email: rnm@iiserkol.ac.in

- Bronze Medal, Chemical Research Society of India, Bangalore (2001)
- Fellow, Royal Society of Chemistry, UK (2003)
- Vice President, Chemical Research Society of India, Bangalore (2008 –)
- Professor Priyadarajan Ray Memorial Award for the Year 2010, Indian Chemical Society, Kolkata (2011)
- Silver Medal, Chemical Research Society of India, Bangalore (2011)
- J. C. Bose National Fellowship, Department of Science & Technology, New Delhi
- Honored as FNA, FNASc.

**(8) Dr. Asit K Chakraborty**



**Present Address**

Professor and Head, Department of Medicinal Chemistry, National  
Institute of Pharmaceutical Education and Research (NIPER),  
Chandigarh, India.  
Email: akchakraborti@nipер.ac.in

- Ranbaxy Research Award 2004 (Pharmaceutical Sciences).
- Chemical Research Society of India (CRSI) Bronze Medal.
- Tetrahedron Letters Most Cited Paper 2004-2007 Award.
- Bioorganic and Medicinal Chemistry Letters Most Cited Paper 2005-2008 Award
- ISMAS Eminent Mass Spectroscopist Award 2009.

**(9) Prof. S. C. Bhattacharya**



**Present Address**

Professor, Department of Chemistry, Jadavpur University, Kolkata, India.

Email: scbhattacharyya@chemistry.jdvu.ac.in

- Ex. Dean, Faculty of Science, Jadavpur University.

**(10) Dr. Arun K. Nandi**



**Present Address**

Senior Professor, Indian Association of Cultivation of Science, Kolkata, India.

Email: psuakn@iacs.res.in

- W. B. Academy of Science and Technology-2006.
- Indian Academy of Sciences, Bangalore – 2009.
- Royal Society of Chemistry, U.K- 2014.

**(11) Dr. Anunay Samanta**



**Present Address**

Experimental Physical Chemistry, School of Chemistry, University of Hyderabad, India.

Email: [anunay@uohyd.ac.in](mailto:anunay@uohyd.ac.in)

- Recipient of the India Citation Award (Thomson Reuters) and Raman Mizushima Lecture Award (DST-JSPS).
- Member of the Editorial Advisory Board of the *Journal of Physical Chemistry*.
- Member of the Sectional Committees of IASc and INSA.
- J.C. Bose National Fellow (DST).
- Member of the Science Education Panel and Member of the Project Advisory Committee (Physical Chemistry) of DST
- National Coordinator on UGC-FPRS programme including (i) Start up Grant, (ii) One Time Grant and (iii) UGC BSR Faculty Fellowships
- Honored as FNA, FASc, FNASc.

**(12) Dr. Bimal K. Banik**



**Present Address**

Professor, The University of Texas-Pan American (UTPA), USA.

Email: [banik@utpa.edu](mailto:banik@utpa.edu)

- President's Endowed Professor, UTPA, USA.
- F. R. S. C.
- Program Director, National Institutes of Health Grant, USA
- Program Director, National Cancer Institute Grant, USA
- Editor-in-Chief, Organic & Medicinal Chemistry Letters, Springer, Germany
- Adjunct Professor, Chemistry, UTSA, San Antonio, USA
- Fellow, Royal Society of Chemistry, Cambridge, UK
- Awarded \$441,000.00 Dollar Research Grants from NIH
- Citations of papers in journals approximately three thousand seven hundred (3700)

**(13) Dr. Pratim Kumar Chattaraj**



**Present Address**

Dean (Faculty), IIT Kharagpur, WB, India.  
Email: pkc@chem.iitkgp.ernet.in

- Indian National Science Academy Young Scientist Medal.
- Chemical Research Society of India Bronze Medal (2000).
- Chemical Research Society of India Silver Medal (2014).
- B. M. Birla Science Prize
- Dr. B. C. Deb Memorial Award (Indian Science Congress Association ).
- J. C. Bose National Fellow.
- Selected as the 'Top Reviewer' of The Journal of Physical Chemistry, American Chemical Society., 2006.
- Selected as the 'Top Reviewer' of The Journal of Physical Chemistry, American Chemical Society., 2006.
- Russnano Prize, Russia.
- Honored as FTWAS, **FASc**, **FNA**, **FNASc**, **FWAST**

**(14) Dr. Gautam K. Lahiri**



**Present Address**

Professor, Department of Chemistry, IIT Bombay, Mumbai, India.  
Email: lahiri@chem.iitb.ac.in

- B. M. Birla awards in chemistry: 1996
- Royal Society Award for International Authors: 2000
- Fellow, Maharashtra Academy of Sciences: 2001
- Fellow, Indian Academy of Sciences-Bangalore: 2005
- Mercator Chair Professorship (DFG-Germany): 2007
- Ramanna Fellowship (DST): 2007
- Excellence in Teaching (IIT Bombay): 2010
- Ramanna Fellowship (Excellence in Research, DST, New Delhi): 2011
- Prof. S.C. Bhattacharya Award for Excellence in Research (IIT Bombay): 2011



**(15) Dr. Amalendu Chandra**



**Present Address**

Theoretical Chemistry Group, Department of Chemistry, IIT  
Kanpur, India.  
Email: amalen@iitk.ac.in

- Young Scientist Medal of Indian National Science Academy, New Delhi, 1995.
- Anil Kumar Bose Memorial Award of Indian National Science Academy, New Delhi, 1997.
- Bronze medal from Chemical Research Society of India, 2006.
- Shanti Swarup Bhatnagar Award, CSIR, Government of India, 2007.
- J. C. Bose National Fellowship, DST, Government of India, 2013.
- Honored as FNA, FNASc, Ramanna Fellow.

**(16) Dr. Susanta Lahiri**



**Present Address**

Senior Professor, Chemical Sciences Division, Saha Institute of  
Nuclear Physics, Kolkata, India.  
Email: susanta.lahiri@saha.ac.in

- George Hevesy Medal Award 2015 (as First Indian Recipient on Activation Analysis)
- Associate Membership of Third World Academy of Sciences (TWAS) in Centre of Excellence at South (2000-2007).
- Tarun Datta Memorial Award 1996 (awarded by Indian Association of Nuclear Chemists and Allied Scientists, IANCAS) for excellent research work in the field of Radioanalytical and Nuclear Chemistry in INDIA (below 35 years).