

Chemistry Department (B. 1961)

THE UNIVERSITY OF BURDWAN
GOLAPBAG CAMPUS, BURDWAN,
WEST BENGAL – 713104

 HOD@CHEM.BURUNIV.AC.IN



VISION

- ADOPTING SMART TEACHING
- CUTTING EDGE INTERDISCIPLINARY RESEARCH
- ENHANCE SOCIAL RESPONSIBILITY
- ESTABLISH INDUSTRY-ACADEMIC RESEARCH PARTNERSHIP
- ESTABLISH INTERNATIONAL COLLABORATIVE RESEARCH FUNDING

PROGRAMMES

- M Sc
(INORGANIC, NUCLEAR ANALYTICAL,
ORGANIC & PHYSICAL)

- M PHIL

- PH D

PEOPLES

○ POSTGRADUATES	159
○ DOCTORAL STUDENTS	48
○ POST DOCTORAL FELLOWS	06
○ FACULTIES	13
○ SENIOR TEACHER	2
○ STAFF	13

RESEARCH

- RESEARCH INTEREST GROUPS
 - Analytical Chemistry
 - Inorganic and materials Chemistry
 - Organic and biological Chemistry
 - Physical Chemistry

RESOURCES

- LIBRARY
- LABORATORY
- ANALYTICAL FACILITIES
- COMPUTING

OUTREACH

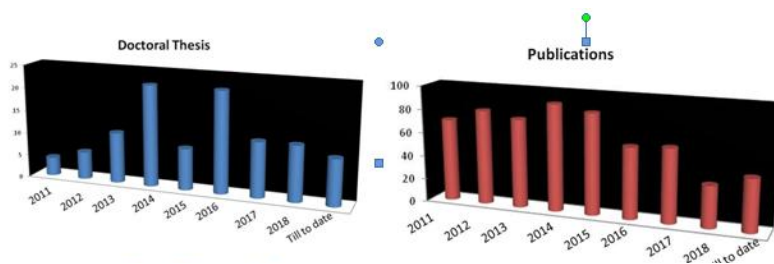
- A P C ROY, a movie
- THE PERIODIC TABLE, a demonstration lecture

ALUMNI

Shankar P Bhattacharyya
Swapan K Ghosh
Amalendu Chandra
Akhil R Chakravarty
Tapas K Maji
Asit K Chakraborty
Bimal K Banik,
Susanta Lahiri,
Sarnath Chattaraj
Pratim K Chattaraj
and many more.....

STATISTICS OF PAPER/BOOK PUBLICATION

2011-TILL TO DATE



RESEARCH FUNDED BY

- DEPARTMENTAL: CAS-II (230 LAKHS, 2016-2021)
PURSE* (730 LAKHS, 2016-2020)
- PERSONAL: DST, WB (5 PROJECTS, 63.9 LAKHS)
DST CENTRAL (4 PROJECTS, 134.8 LAKHS)
CSIR (5 PROJECTS, 60.5 LAKHS)
UGC (7 PROJECTS, 30 LAKHS)

COLLABORATION WITH OTHER INSTITUTIONS



- Prof. Dr. Manfred Marshall, Germany
- Prof. Valérie Micard, France
- Prof. E. B. Damonte, Argentina
- Prof. G. Nosálová, Slovakia
- Prof. Paul Schnitzler, Germany
- Prof. Jesus Sanmartin Matalobos, Spain
- Prof. Yann Garcia, Belgium
- Prof. Vitor Felix, Portugal
- Dr. Damir A. Safin, Belgium



Prof. M. Marshall



Prof. J. S. Matalobos

And more.....

DISTINGUISHED ALUMNI

(1) Dr. Tapas Kumar Maji,



Present Address	Chemistry and Physics of Materials Unit Jawaharlal Nehru Centre for Advanced Scientific Research Jakkur P.O. Bangalore - 560064 India Email: tmaji@jncasr.ac.in
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- **Shanti Swarup Bhatnagar Prize** (2019).
- Fellow of Royal Society of Chemistry (**FRSC**) (2019).
- M. V. George Prize (2018).
- Fellow Indian Academy of Sciences (**FASc**) (2018).
- Alexander von Humboldt Fellow for Senior Researcher by AVH Foundation, Bonn, Germany (2015).
- Materials Research Society of India (MRSI) Medal for contributions in Materials Science (2014).
- National Academy of Sciences India-Scopus young scientist award in Chemistry (2012).
- Young Associate of Third World Academy of Sciences (TWAS) (2012-2017).
- Bronze Medal by Chemical Research Society of India (CRSI) for contributions in Chemistry (2012).
- Sheikh Saqr carrier award fellowship from Jawaharlal Nehru Centre for Advanced Scientific Research (JNCASR) (2012).
- Young Investigators in Chemical Sciences by journal of Chemical Communications, (2011).
- Young Investigators in Materials Science, by Journal of Material Chemistry, (2010).
- National scholarship received from Government of India at Graduate Level (1995).
- JSPS Post-doctoral fellowship by the Govt. of Japan (2002).
- Young Lecturership Award, by the Chemical Society of Japan (2009).

Dr. Amalendu Chandra



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

(2) 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
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- 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.

(3) Dr. Purnendu (Sandy) K. Dasgupta



Present Address	Professor, University of Texas, Arlington, USA Email: dasgupta@uta.edu
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- 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

(4) 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: pcspsb@iacs.res.in
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- Fellow of Indian Academy of Sciences
- J. N. Mukherjee memorial lecture award of Indian Chemical Society

(5) **Dr. Tarasankar Pal**



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

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

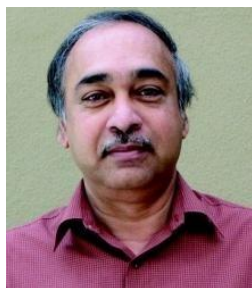


Present Address	Outstanding Scientist and Head, Theoretical Chemistry Section, Chemistry Group, Bhabha Atomic Research Centre, India. Email: skghosh@barc.gov.in
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- Delegation Leader of the Indian team, at the International Chemistry Olympiad in Athens, Greece (2003) and Kiel, Germany (2004).
- AV Rama Rao Prize of Jawarharlal 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.

(7)

Dr. Pradip K. Mascharak



Present Address	Distinguished Professor of Chemistry and Biochemistry, University of California Santa Cruz, USA Email: Email: pradip@ucsc.edu
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➤ Alfred SI

oan Fellow

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

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



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

(9) 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@niper.ac.in
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- 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.

(10) Dr. S. C. Bhattacharya



Present Address	Professor, Department of Chemistry, Jadavpur University, Kolkata, India. Email: scbhattacharyya@chemistry.jdvu.ac.in
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- Ex. Dean, Faculty of Science, Jadavpur University.

(11) Dr. Arun K. Nandi



Present Address	Senior Professor, Indian Association of Cultivation of Science, Kolkata, India. Email: psuakn@iacs.res.in
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- W. B. Academy of Science and Technology-2006.
- Indian Academy of Sciences, Bangalore – 2009.
- Royal Society of Chemistry, U.K- 2014.

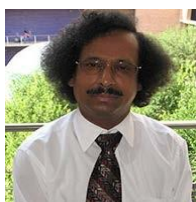
(12) Dr. Anunay Samanta



Present Address	Experimental Physical Chemistry, School of Chemistry, University of Hyderabad, India. Email: anunay@uohyd.ac.in
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- 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.

(13) Dr. Bimal K. Banik



Present Address	Professor, PMU, Saudi Arabia
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- 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)

(14) Dr. Pratim Kumar Chattaraj



Present Address	Professor, A-46, IIT Campus, Kharagpur - 721302, West Bengal Email: pkc@chem.iitkgp.ac.in
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- 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

(15) Dr. Gautam K. Lahiri



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

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(16) Dr. Susanta Lahiri



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