

1. Name : **Dr. KALLOL KUMAR GHOSH**
2. Date of Birth : 10-10-1960
3. Designation : **Professor & Head (Chemistry)**
4. Address : School of Studies in Chemistry,
Pt. Ravishankar Shukla University, Raipur C.G. 492010.
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5. **Qualification:**

B.Sc.	1979	64.6% 6th Position in University.	Pt. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR
M.Sc.	1981	71.2% 3rd Position in University.	Pt. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR
		Specialization: (Physical Chemistry).	
Ph.D.	1986	Specialization: (Physical Chemistry).	Pt. RAVISHANKAR SHUKLA UNIVERSITY, RAIPUR
6. **Total Teaching Experience: 32 years 5 Months**

Lecturer	26.9.1983- 3.3.1987	Govt. Arts & Sc. College Durg Adhoc
	4.3.1987- 15.4.1988	Do Regular
Lecturer	16.4.1988 to 26.7.1998	Pt. Ravishankar Shukla University
Reader	27.7.1998 to 26.7.2006	Pt. Ravishankar Shukla University
Professor	27.7.2006	Pt. Ravishankar Shukla University

7. Awards:

- **Best Professor of the Year (2015) by IQAC, Pt. Ravishankar Shukla University**
- **Bronze Medal (2012) Chemical Research Society of India, Bangalore**

8. Membership in University: (2015-16)

- I. Chairman : Board of Studies in Chemistry**
- II. Coordinator : DST INSPIRE PROGRAM, Pt. Ravishankar Shukla Univ.**
- III. Coordinator : Public Outreach Centre , Pt. Ravishankar Shukla Univ**
- IV. Editor : Pt. Ravishankar Shukla Univ. Journal Science**
- V. Member : Academic Planning & Evaluation Board**
- VI. Member : Internal Quality Assurance Cell**
- VII. Member : Local Program Planning & Management Committee , HRDC**
- VIII. Member : Library Committee**
- IX. Coordinator : DST FIST GRANT**
- X. Coordinator : UGC SAP PROJECT**

9. Research Interests:

- Teaching in M.Sc. Level **32.5** years * Chemical Kinetics
- Ph. D. Obtained : **23** * Homogeneous Catalysis
- Student Working: **06** * Mechanistic Organic Chemistry
- * Surface Chemistry

10. Examination Experience:

Acted as Examiners for MSc/ M. Phil / Ph. D students :

Pt. Ravishanker Shukla University, Guru Ghasidas University, Bilaspur, Rani Durgavati University, Jabalpur, Jiwaji University, Gwalior, Barkatulla University, Bhopal, Nagpur University, Nagpur, Amravati University, Rajasthan University, Jaipur, Jadavpur University, Kolkata, JNV University, Jodhpur, Sambalpur University, Sambalpur, Utkal University, Bhubaneswar, Annamalai University, Annamalai, Bhavnagar University. Bhavnagar, Kalyani University, Kalyani etc., Osmania University, University of Kerala, Central University, Gujrat, Kolkata University, Kolkata

11. Reviewer

- **American Chemical Society Journals**
- **Elsevier Journals**
- **Academic Press**
- **CSIR Journals**
- **Indian Chemical Society Journal**

12. Foreign visit:

- 8th International Conference on Homogeneous Catalysis, University of Amsterdam. **The Netherlands**, August 1992.

- **INSA - JSPS Visiting Fellow:** Seikei University, Tokyo. **Japan.** (June 2000 to September 2000)
- 14th Surfactant in Solution Symposium: University of Barcelona. **Spain,** (June 2002)
- Delivered a lecture in ITODYS, University of Paris-7, Paris, **France** (June 2002)
- Visited University of Santiago-de-Compostella, **Spain,** (June 2002).
- Attended JASS 03 Winter School on NMR – Osaka University, **Japan** (Jan.2004)
- **JAMES CHAIR VISITING FELLOW:** St. Francis Xavier University, Antigonish, **CANADA** (1st June 2005 to 1st Aug. 2005).
- Attended 12th. Asian Chemical Congress, Kuala Lumpur, **Malaysia,** Aug. 2007
- Visited and delivered lecture in National University of Singapore, **Singapore,** Aug. 2007.(Nanoscience and Nanotechnology Division)
- Delivered an Invited talk in 238th American Chemical Society Meeting, Washington DC, **USA** from August 16-20, 2009.
- Delivered and Invited talk in 8th Inter. Chemical & Biological Medical Treatment Symposium, 2-7 May 2010, Spiez Laboratory, **Switzerland.**
- Delivered and Invited talk in CBMTS Industry VII, World Congress on CBRN Threat & Terrorism, 10-15 April 2011, Cavtat-Dubrovnik, **Croatia**

13. **Research Projects: (Sanctioned/Ongoing)**

- Kinetic Study of the Acid Promoted Hydrolysis of Hydroxamic Acids, UGC New Delhi, 1991-1993.
- Mechanistic Studies of the Acidic Hydrolysis of Some C and N Substituted Hydroxamic Acids, DST. New Delhi, 1992-1995.
- Kinetic Studies of Micellar Hydrolysis of Hydroxamic Acids, 1994-97. MPCST. Bhopal. INDIA
- Reactivity & Mechanism of Alkaline Hydrolysis of Hydroxamic Acids. UGC, New Delhi (1994-1997).
- Acid-base Equilibria and Metal Complexation of Hydroxamic Acids Application to DNA Cleavage (1997-2001), DST. New Delhi.
- Characterization and Properties of Mixed-Micelles and Polymer-Micelles as Reaction Media. UGC Unassigned Grant, 2001-2003.
- Interfacial Organic Reactivity of Hydroxamic Acids in Micro organized Media. C.S.I.R. New Delhi 2002-2005.
- Detoxification of Some Simulants of Chemical Warfare Agents and Pesticides using Hydroxamic Acids, DRDO, New Delhi 2004-2006.

- Size Controlled Silver and Gold Nanoparticles Synthesis in Organized Assemblies: UGC Minor Project, New Delhi, 2005-2006.
- Study of Enzymatic Hydrolysis of Carboxylate and Phosphate Esters in Micelles : CSIR Major project , New Delhi 2007-2011.
- Studies on Physicochemical and Thermodynamic Properties of Some Gemini Surfactants: UGC Minor Project, New Delhi, 2009-2011.
- Synthesis and Development of Novel Oxime Reactivators of Cholinesterases Inhibited by Organophosphorus Toxicants: DRDO New Delhi. 2012-2015
- Solubilization of polycyclic aromatic hydrocarbon using novel surfactants mixture: CSIR, New Delhi. 2012-2016
- Micellar, Interfacial and Spectroscopic Studies of Antidepressant-Drug-Surfactant System. : UGC, New Delhi, 2015-2018
- Study On Interaction Of Surfactants And Surfactants Mixture With Serum Albumin Protein. : CCOST, Chhattisgarh, 2015-18

14. Special Training / Short Term Courses Attended:

- UGC Refresher Course on Physical Organic Chemistry for post-graduate teachers, IISc. Bangalore, 1991.
- Laser Workshop for Physicists and Chemists, Sagar University, 1988.
- 9th Refresher Course on Quantum Chemistry and Molecular Spectroscopy, Punjab University, Chandigarh, 1994.
- Refresher Course in Low Cost Chemical Instrumentation, Raipur. March 1995, in collaboration with CPDHE, Delhi University.
- UGC Refresher Course: Application Oriented Chemistry & Environmental Chemistry, Calcutta. March 1998.
- Orientation Programme for Academic Counsellors, IGNOU, Ahmedabad, 4-5 Dec. 1998.

15. Number of Research Papers Published/Accepted: 157

Pl see Annexure (List attached)

16 Other Activities :

- (I) Academic Counsellor: Indira Gandhi National Open University.
Pt. Ravishankar Shukla University, Raipur
- (II) **Life Member:** Indian Science Congress Association,
Indian Society for Surface Science and Technology,
(Council Member)
Indian Association for Cultivation of Science.
Chemical Research Society of India **(Joint Secretary)**
Indian Chemical Society **(Council Member)**
Indian Society for Chemistry Teacher

- (III) Organized a National Symposium on Fundamental and Analytical Aspects of Self-Organising Systems. Pt. Ravishankar Shukla University, Raipur (Aug. 4-6. 1997).: Joint Organizing Secretary, 3 rd C.G Young Scientist Congress (Feb 28- March 2, 2005) Organizing Secretary :47 th. Annual Convention of Chemists and International Conference on Recent Advances in Chemical Sciences, Dec. 23-27, 2010: Organized 17th. National Conference on Surfactants, Emulsions and Biocolloids , Nov. 4-6, 2015
- (IV) Elected Scientist-in- Charge, Physical Chemistry Section, Annual Convention of Chemists (2011-2013), Indian Chemical Society
- (V) Awarded Bronze Medal for Research by CRSI, Bangalore
- (VI) Coordinator: P G Valuation 2007-2008: 2008-09 Examinations: Astd. Coordinator: PG Valuation and Central valuation 2005- 2008, Supply. Exam, Astd Coordinator ; UGC and CSIR NET examinations (2006-2009) :
- (VII) Member of Different Committees(Pt. RSU) : IX, X and XI Five years UGC plan, Youth Festivals, Affiliation Committees, Convocations, Selection Committees, Student Union etc.NAAC,IQAC and INSPIRE, Board of Studies
- (VIII) Executive Members (2004-2005) ; Indian Society for Surface Science and Technology, Member Editorial Board
- (IX) Organized 8th Chhattisgarh Young Scientist Congress, April 9-10, 2010, Pt. RS University, Raipur (**Organizing Secretary**).
- (X) Organized 47th Annual Convention of Chemists and International Conferences on Recent Advances in Chemical Sciences. Dec. 23-27, 2010, SOS in Chemistry, Pt. RS University, Raipur (**Organizing Secretary**).
- (XI) Editor: Pt. Ravishankar Shukla University Journal (Science)
- (XII) Co-ordinator DST INSPIRE Program, Pt. RS University, Raipur

17. Delivered several lectures in national conferences, Academic Staff Colleges, National Science Days and Inspire Internship camps