Prof. Kiran Kumar K. Sharma

(M. Sc., Ph. D., NIH Research Associate-USA; Int. Post Doc.- France)

Professor & i/c Director

School of Nanoscience and Biotechnology

Director

Research and Development Cell

Shivaji University

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1-year course work in nuclear



UGC-DAE, CRS, Kolkota Centre.

Qualifications:

1998-99

1994 B. Sc. Chemistry Manipur University.
1998 M. Sc. Chemistry Manipur University.
2003 (17th Nov.) Ph. D. Chemistry Pune University.

(Title: Redox Chemistry of Model Azo Dyes: A Radiation Chemical Study)

Supervisor: Prof. B. S. M. Rao.

♣ Research and Professional Experience:

1770-77	and accelerator based techniques.	OGC-DAL, CRS, Rolkota Centre.
1999-2001	Junior Research Fellow (JRF) UGC-DAE, CRS, Kolkota Centre	Department of Chemistry, Pune University
2001-02	Visiting Researcher	Radiation & Genome Stability Unit MRC, Harwell, Oxford, UK.
2002-03	Senior Research Fellow (SRF) UGC-DAE, CRS, Kolkota Centre	Department of Chemistry, Pune University
2003-04	Research/Teaching Associate	Dept. of Biotech., Pune University.
2004-07	NIH Research Associate	Dept. Biochem. & Biophys., Medical Centre, University of Rochester, Rochester, NY, USA.
2008-09	Research/Teaching Associate	Dept. of Biotech., Pune University.
2009-10	President Postdoc. Fellow	LCAM-CNRS, Universite Paris Sud-XI, Orsay, Paris, France.
2010-2014	Assistant Professor & i/c Head	Dept. of Physical Chemistry, School of Chemical Sciences, North Maharashtra University, Maharashtra, India.
2014-2017	Dy. Director/Associate Professor	School of Nanoscience and Technology Shivaji University, Kolhapur, Maharashtra, India.

2017-present Professor School of Nanoscience and Technology

Shivaji University, Kolhapur,

Maharashtra, India.

2020-present Director School of Nanoscience and Technology

Shivaji University, Kolhapur,

Maharashtra, India.

2022-present Director Research and Development Cell

Shivaji University, Kolhapur

Maharashtra, India.

4 Teaching Experience: 18 Years

Research Experience: 25 Years

♣ Research Areas: i) Radiation Chemistry and Photochemistry ii) Nanocatalyst in Green Synthesis of Drugs iii) Synthesis of Micro/Nanosheets of conducting polymers and composites using Swollen Liquid Crystal for sensing and various applications including fuel cells, water purifications etc.

Awards/Fellowships/prizes received:

- i) Best Research Award 2015, North Maharashtra University, Jalgaon.
- ii)2012-Awarded DST Fast Track Young Scientist Scheme.
- iii) 2007-Travel Award Support for International Conference on Radiation Research, San Francisco, California, USA.
- iv) 2006 & 2005-Student in Training Travel Award for Radiation Research Society Meeting at Philadelphia and Colorado, USA.
- v) 2004- Young Investigator Award for Gordon Research Conference on Radiation Chemistry, Maine, USA.
- vi) 1996-Recipient State Government Merit Scholarship for Post Graduate Studies in Chemistry.
- vii) 2009-2010-International Universite Presidential Postdoctoral Fellow (LCAM-CNRS, Universite Paris Sud-XI, France).
- viii) 2004-2007 NIH Postdoctoral Research Associate (Department of Biochemistry & Biophysics, School of Medicine & Dentistry, University of Rochester, Rochester, New York, USA).
- ix) 2003-2004 & 2008-2009-Research/Teaching Associate (Department of Biotechnology, University of Pune)
- x) 2001 and 2002 Visiting Researcher (Radiation and Genome Stability Unit, Medical Research Council, Harwell, Oxford, UK).
- xi) 1998-2003-JRF & SRF (UGC-DAE-CRS, Kolkota Centre).
- ♣ Number of Ph. D. Students Completed : 02; Working: 06; M. Phil. Working: 01
- **♣** Number of Books written: 02 as Chapter
- **♣** Number of Patents: 03 (02 International and 01 National)

- **♣** Number of Products Developed: 02
- Number of Technology Transfer: 01
- **♣** Number of Industrial Consultancy Project: 03 (01 International, 02 National) worth 0.18 Crores

Publication Details:

Number of research papers published both International and National: 67

Citations: 753

Research Interest Score: 462.8

H-index: 18 i-10 Index: 25

- **4** Research project ongoing: 02 (total funds .17 Crores)
- **4** Research project completed: 03 (1.53 Crores)
- **Consultancy Project:** i) With University of Pune under Pune University Linear Accelerator Facility (PULAF). ii) Various Engineering Colleges Projects
- **♣** Number of Papers Presented in Conference/Seminar/Symposium : > 30
- **♣** Number of Invited Talks Delivered: >15
- Number of Lectures Delivered as Resource Person: >05
- Scientific Collaborators:
 - i) Prof. B. S. M. Rao, Chemistry Department, IISER, Pune, India
 - ii) Prof. S. Naumov, Leibniz-Institut für Oberflächenmodifizierung, Germany.
 - iii) Prof. Hynd Remita, LCP, Centre Universitaire Paris-Sud, France.
 - iv) Dr. A. Saha, UGC DAE CRS, Kolkota Centre, India.
 - v) Dr. Niraj M. Luwang, NCL, Pune, India.
 - vi) Dr. Geeta K. Sharma, Department of Chemistry, University of Pune, India.

4 Memberships:

- i) Life Member, Society for Material Chemistry, India (SMC).
- ii) Life Member, Indian Society for Radiation and Photochemical Sciences (ISRAPS), India.
- iii)) Life Member, Society for Environmental Chemistry and Allied Sciences (SECAS), India.

Administrative work experience:

- i) Director, Research and Development Cell, Shivaji University
- ii) Director, School of Nanoscience and Technology
- iii) i/c Head, Department of Physical Chemistry
- iv) Involved in drafting IOAR report for the School.
- v) Involved in drafting XII plan proposal of the School.

- vi) Various administrative work pertaining to the Department.
- vii) BOE Member, Physical Chemistry, Gulbarga University
- viii) BOS Member, Material Science, Gulburga University
- ix) Invitee BOS, Physics, Shivaji University
- x) NAAC Co-ordinator
- xi) LIC, Member, Shivaji University
- xii) Academic Board Member, Department of Physics, Shivaji University.

Working Experience with national bodies/national exposure:

- i) Served as Judge for poster presentations in ISRAP organized conference.
- ii) Chaired Session in National Conferences

Working Experience with International bodies/International exposure:

i) Served as Member Radiation Research Society (RRS-USA) for promoting radiation research.

Leadership Experience:

- i) Has served as House Prefect in Sainik School Imphal.
- ii) Elected as Councilor to the University Students Union.