



Faculty Profile

1. **Name:** Dr. Meenakshi Saxena
2. **Designation:** Professor Chemistry
3. **Department:** Rajasthan Education Service
4. **Educational Qualification:**



Level	Name of University/Board	Year	Title/ Remark/ Medal
P.G. (M.Sc. Chemistry) Specialization: Inorganic Chemistry	SOS (School of Studies) Jiwaji University Gwalior – M.P.	1988	1 st Division, Gold Medalist
M.Phil.	SOS (School of Studies) Jiwaji University Gwalior – M.P.	1989	Simple and Mixed Chelates of dioxide uranium IV
Ph.D.	MDSU (Ajmer) – Rajasthan	2008	Micellar features of Copper II soaps derived from various edible oils

5. Experience: Teaching / Research

UG	31 years	PG	31 Years	Research	15 Years
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6. Membership (Academic Bodies/ Research societies):

- Life Membership of Indian Chemical Society, Kolkata
- Annual Membership of Rasayan Journal of Chemistry

7. M.O.O.C (Developed by Faculty):

8. Awards Received:

9. Academic Courses Attended:

Course	Place	Sponsoring Agency	Duration
Orientation Course	MDSU, Ajmer (Raj.)	ASC, UGC	25/07/2001 – 21/08/2001 (28 Days)
Refresher	G.C.A, Ajmer (Raj.)	UGC, Univ. of Delhi	30/11/1995 – 20/12/1995 (21 Days)
	MDSU, Ajmer (Raj.)	ASC, UGC	09/03/2004 – 29/03/2004 (21 Days)
	MDSU, Ajmer (Raj.)	ASC, UGC	09/10/2005 – 25/10/2005 (21 Days)



10. Seminar/ Conference :

Name of Symposium/ Seminar/Conference	Internat./ National/ Regional	Organized by	Title of Paper presented	Year
Council of surface Science and Catalysis Third International Conference	Internationa l	Department of Pure and Applied Chemistry, MDSU Ajmer (India)	Attended	2003
Environmental degradation and sustainable Development	National	UGC Sponsored P.G. Department of Geography, S.D. Govt. College, Beawar (Raj.)	Synthesis and characterization of eco friendly, Biodegradable antifungal agents containing Copper Metal	2005
44 th Annual Convention of chemist	Internationa l	Mahatma Gandhi Institute of Applied Sciences, Jaipur (Raj.)	Studies of CMC, Solute- solvent and soaps derived from edible oils in Methanol - benzene system at 303K	2007
National Conference on Recent trends in Chemical Sciences	National	(Sponsored UGC) Department of Chemistry Govt. Lohia P.G. College Churu, Raj.	Assessment of water quality of ground and surface water resources of Beawar City	2009
National Conference on environmental health hazards	National	(Sponsored UGC) J.D.B Government P.G. College for Women's Kota (Raj.)	Synthesis and Process for removal of Sulphur dioxide from exhaust flue gases to control SO ₂ emission at Shree Cement Ltd, Beawar (Raj.)	2009
5 th Indo-Japan International Symposium on Innovative Molecular Approaches in Global Health Research	Internationa l	Biyani's Group of Girls College, Department of Biotechnology	Attended	2010
National Conference on Emerging views in Advanced Chemistry	National	Department of Chemistry, MLV College, Bhilwara (Raj.)	Control Emission of Sulphur dioxide by absorption on Sodium Hydroxide solution at Thermal Power Plant (Raj.)	2010
Seminar Chemistry of Primates: Green Chemistry	National	Department of Chemistry, D.A.V College, Ajmer	Attended	2012
National Conference on Chemical Science in New Millennium (NCCSNM 2012)	National	Dept. of Chemistry Pacific College of Basic & Applied Sciences, Udaipur	Use of Zinc oxide as photo catalyst for photodegradation of Copper soap derived from Azardirecta Indica (Neem oil)	2012

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National Conference on Ecological Perspective of Rainwater Harvesting and Ground Water Recharge	National	Department of Zoology, Govt. College, Ajmer	Municipal Wastewater and its Treatment	2014
52 nd Annual Convention of Chemist, International Conference on Recent Advances in Chemical Sciences	International	JECRC University, Jaipur	Recover and re-use of Industrial water SO ₂ gases for synthesis of sulphate containing compound for sustainable green chemistry	2015
National Conference on Frontiers in Chemical Sciences	National	Pacific Academy of Higher education and Research University, Udaipur	Synthesis, spectroscopic and fungicidal studies of Copper soaps derived from Mustard oil and Urea Complexes	2016
P.G. Department of Chemistry	College Level Seminar	S.D. Government College, Beawar	VESPER Theory	2017
P.G. Department of Chemistry	College Level Seminar	S.D. Government College, Beawar	Stability Constant of Metal Complexes	2017
National Conference on Pilgrimage places in Rajasthan	National	Govt. Girls College, Ajmer	Pilgrimage Places in Rajasthan	2017
Recent advances at Interfaces of physical and life sciences	National	Department of Chemistry, University of Rajasthan	Saccharomyces Cerevisiae Act as BioAccumulation	2018
P.G. Department of Chemistry	College Level Seminar	S.D. Government College, Beawar	Coordination Chemistry	2018
Human Rights are Women rights; Women Rights are Human Rights (NCHRWR)	National	Govt. College Jaipur, Raj.	Attended	2019
Socio-Cultural and Technological Transformation	International	S.D. Govt. College, Beawar (Raj.)	Input of Chemical on socio-environmental and green chemistry	2019
International Conference on Science, Technology and Society	International	Department of Sociology, SPC Government College, Ajmer	The Role of Science and Technology in global health	2023

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Recent Advances In Science And Technology	National	Department of Chemistry, Government College, Kota	Advancements in Sustainable and Environmental Science	2023
Emerging Technologies in Chemistry & their Applications	National	PG Department of Chemistry, Govt. College, Sirohi	Innovation and Technology in Chemistry	2023
Recent Global Innovations, Challenges and Trends in Multidisciplinary Research	International	BBD Government College, Chimanpura, Shahpura	Green Chemistry	2023
Avasaad se Prasad ki or: Sahitya, Sangeet, Kala evum Vigyaan ke paripeksh mein	International	SD Government College, Beawar	Attended	2024

11. Research Publications

Title of Paper	Name of Journal with Impact factor & ISSN No.	Volume and No. with Year	Citation Index	Impact Factor	Google Index
Synthesis and characterization of antifungal agents containing Copper(II) soaps derived from Mustard and Soyabean oil	Tenside surfactant and detergents I.F. – 0.439 ISSN No. - 09323414	Vol. – 45(2) Year - 2008		I.F. – 0.439	
Studies of CMC, Solute-Solvent and Solute-Solute interaction of Copper(II) soaps derived from edible oils in Methanol-Benzene system at 303K	International Journal of chemical sciences I.F. – 0.29 ISSN No. – 0972768X	Vol. – 6(2) Year - 2008		I.F. – 0.29	
Control Emission of Sulphur dioxide by absorption in sodium hydroxide solution at thermal power plant in Rajasthan. A study on PH and flow of gases in impingers	Journal of Natural Resource and Development ISSN No. - 09745033	Vol. – 3(1) Year - 2008			
Synthesis and process for removal of Sulphur dioxide exhaust flow gases to control	Conference Proceeding	Year - 2009			

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SO ₂ emission at Shree Cement Ltd., Beawar, Raj.					
Removal of Sulphur dioxide from flue gases in thermal plants	Rasayan Journal of Chemistry. I.F. – 1.22 ISSN No. - 09741496	Vol. – 3(2) Year - 2010		I.F. – 1.22	
Study of different Parameters for Removal of Sulphur dioxide contained in flue gases to control Air Pollution at Rajasthan, India	International Conference on Biology, Env. and Chemistry IPCBEE IACSIT - Singapore	Vol. – 24 Year - 2011			
Synthesis, spectroscopic and fungicidal studies of Copper soaps derived from Mustard and Soyabean oils and their Urea Complexes	International Journal of Chemical Sciences I.F. – 0.29 ISSN No. – 972768X	Vol. – 10(1) Year - 2012		I.F. – 0.29	
Acoustic Studies and Micellar features of Lithium soaps at 313K in Non-aq. Solvents	International Journal of Chemical Sciences I.F. – 0.29 ISSN No. – 972768X	Vol. – 10(3) Year - 2012		I.F. – 0.29	
Volumetric and Viscometric Studies of Copper(II) Surfactant derived from four edible oils in Methanol-Benzene Mixture	Journal of the Indian Chemical Society I.F. – 0.25 ISSN No. - 00194522	Vol. – 89(5) Year - 2012		I.F. – 0.25	
Ultrasonic studies of Copper(II) soaps derived from ground nut and sesame oils	Journal of Pure and Applied Ultrasonic I.F. – 1 ISSN No. - 02564637	Vol. – 36(3) Year - 2017		I.F. – 1	
Synthesis, spectroscopic and fungicidal studies of Copper(II) soaps derived from ground nut and sesame oils and their urea complexes	Bulletin of Pure and Applied Sciences I.F. – 4.995 ISSN No. - 09704620	Vol. – 36(2) Year - 2017		I.F. – 4.995	
Acoustic Studies of Copper soap urea complexes derived from ground nut and sesame oils	Journal of Physical Studies I.F. – 0.1 ISSN No. - 10274642	Vol. – 21(4) Year - 2017		I.F. – 0.1	
Synthesis, spectroscopic and biocidal activities of environmentally safe agro-chemicals	Journal of Biocem. Tech. I.F. – 0.548	Vol. – 7(3) Year - 2018		I.F. – 0.548	

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	ISSN No. - 09742328				
Biomedical and antifungal application of Copper(II) soaps and its urea complexes derived from various edible oils	Open access Journal translation Medicine and Research I.F. – 0.11 ISSN No. - 25764578	Vol. – 2(2) Year - 2018		I.F. – 0.11	
Fungicidal Activities and characterization of Novel Biodegradable Cu(II) Surfactants derived from Lauric acid	Bentham Open Chemistry Journal (Research Article) ISSN No. – 1874-8422	Vol. – 5 Year - 2018			
Surface Active properties and Micellar features of Copper soaps derived from various edible oils	Bentham Open Chemistry Journal (Research Article) ISSN No. – 1874-8422	Vol. – 5 Year - 2018			
Ultrasonic Studies of Copper Soap – Urea Complexes Derived from Mustard and Soyabean oils	Journal of Physical Sciences I.F. – 1.6 ISSN No. - 16753402	Vol. – 29(3) Year - 2018		I.F. – 1.6	
Investigation of Micellization and Viscometric Behavior of Organo-Copper Soap-Urea Complexes Derived from various Edible oils	Current Physical Chemistry (Research Article) ISSN No. - 18779468	Vol. 9(3) Year - 2019			

12. Research Projects: MRP (Minor Research Project)

Title of the Project	Year	Name of funding agency	Fund available/ utilized	Present status
Synthesis, Spectroscopic and Biocidal activities of some New Agrochemicals	2009 – 2011	UGC	145000 Utilized	Completed

13. Research Supervision:

- **Basic Field of specialization:** Inorganic and Physical
- ❖ **M. Phil.**

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Name of Student	Title of Dissertation	Present status	Date and Year of Award, if so
Nidhi Toshniwal	Synthesis, spectroscopic and fungicidal activity of Copper laurate – thiourea complex	Completed	05/09/2009 - Awarded
Naresh Kumar	Synthesis, spectroscopic and fungicidal activity of Copper Sesame soap	Completed	05/09/2009 - Awarded

14. Monograph/ Book / Chapter (in Edited Book)/Chapters in study material of Open universities

- **Book (Single Author)**

Title of Book	ISBN/ ISSN No.	Publisher with Place	Year of Publication
Micellar features of Cu(II) surfactants derived from edible oils	ISBN – 978-620-01906-4	Lambert Academic Printing (LAP), Germany	2017
Synthesis, spectroscopic and Bioactivities of Cu(II) Sesame Complex	ISBN – 978-620-2-0960-6”	Lambert Academic Printing (LAP), Germany	2017

- **Chapter(s) in Book (Edited / multi-author)**

Title of Chapter	Authors / Editors	Name of the Book with ISBN/ ISSN No.	Publisher with Place	Year of Publication
Recovery and Reuse of SO ₂ from Thermal Power Plant Emission	Meenakshi Saxena Arun Sharma Shweta Acharya Rashmi Sharma	Air pollution Monitoring Modelling, Health and Control ISBN – 978-953-51-0381-3	Intech, China	2012
Synthesis, Spectral and Biocidal Applications of Copper Soaps Urea Complexes Derived From Edible Oils	Meenakshi Saxena Rashmi Sharma Arun Sharma	Oilseeds Production, Varieties and Management Practices ISBN - 9:/3/75837/858/4	Nova Science Publishers, New York	2019

15. Sports Activities:

- Disciplinary Committee

16. Any Other Relevant Information/Contributions

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S.D. Govt. College, Beawar

- Convenor of IQAC (Internal Quality Assurance Cell) and NAAC Accreditation Committee
- Convenor of Women Harassment Committee
- Convenor of Environmental Committee
- Convenor of Anti-ragging Committee
- Convenor of Departmental Chemical Society

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