

## Faculty Profile

1. Name: Dr Seema Agarwal

2. Designation: Professor

3. Department: Chemistry

4. Educational Qualification:



Level	Name of University/Board	Year	Title/ Remark/ Medal
Secondary	Secondary Education Bord, Rajasthan	1982	First
Higher Secondary	Secondary Education Bord, Rajasthan	1983	First
BSc	University Of Rajasthan	1987	First
MSc	University of Ajmer	1989	First
M Phill	Agra University	1990	First
PhD	U.O.K, KOTA	2008	Awarded

5. Experience: Teaching /Research

UG	26YEARS	PG	23 YEARS	Research	11 years
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6. Membership (Academic Bodies/ Researchsocieties): NIL

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

8. AwardsReceived: NIL

9. Academic CoursesAttended:

Course	Place	Sponsoring Agency	Duration
Orientation Course	Jaipur	University of Rajasthan	28 days
Refresher	Rohtak	Maharishi Dayanand University	21 days
	Jaipur	University of Rajasthan	21 days
	Jaipur	University of Rajasthan	21 days

<b>Others (Workshop/ Summer School/ Camp etc.)</b>	<b>NIL</b>	<b>NIL</b>	<b>NIL</b>
<b>Online F.D.P (Faculty Development Programme)</b>	<b>PG Department of Chemistry Government College, Sirohi</b>		<b>06 days</b>

**10. Seminar/ Conference:**

<b>Name of Symposium/ Seminar/Conferenc e</b>	<b>International/ National/ Regional</b>	<b>Organized By</b>	<b>Title of Paper presented</b>	<b>Year</b>
<b>Environmental Issues and Sustainable Development (With Special Reference to Rajasthan)</b>	<b>National</b>	<b>PG Department of Geography, Government College KOTA</b>	<b>Assesment of Lead in the soil and water samples from Rajasthan</b>	<b>2005</b>
<b>Recent Advances in the Field of Applied Chemistry</b>	<b>National</b>	<b>GOVERNMENT J.D.B Girls College</b>	<b>Electrochemical Behaivourof Mixed Ligand Trimethylolpropane TrithioglycolateAlani nate ..... Ethanol</b>	<b>2006</b>
<b>44th Annual Convention of Chemist 2007</b>	<b>National</b>	<b>Indian Chemical Society</b>	<b>Studies on corrosion inhibition efficiency of natural Nigella seed powder for iron in tartaric acid solution</b>	<b>2007</b>
<b>National symposium on Recent Advances in Chemical Sciences</b>	<b>National</b>	<b>Department of Pure and Applied Chemistry, UOK</b>		<b>2011</b>
<b>National Conference on Global Environmental Changes and Disaster Management for sustainable life on Earth- A burning issue</b>	<b>National</b>	<b>Maharishi Arvind College of Engineering and Technology, Ranpur, Kota</b>		<b>2013</b>
<b>International Conference On India as an emergency Power in 21st century: Possibilities and Challenges before India's Foreign Policy</b>	<b>International</b>	<b>Department of Political Science, Government College Kota</b>	<b>Use of chemical weapons and India's foreign policy: a discussion</b>	<b>2013</b>

<b>International Conference on Advance rends in Engineering, Technology and Research</b>	<b>International</b>	<b>Bal Krishna Institute of Technology Kota</b>	<b>Inhibitory action of Canum copticum seeds extract on corrosion of iron in 1M acetic acid</b>	<b>2014</b>
<b>International Conference on Advance rends in Engineering, Technology and Research</b>	<b>International</b>	<b>Bal Krishna Institute of Technology Kota</b>	<b>Thermodynamics and Adsorption Parameters of Aqueous extract of Lantana camara leaves on corrosion of mild steel</b>	<b>2015</b>
<b>Dimensions of Criminal Justice System in India's Police Judiciary System</b>	<b>National</b>	<b>Centre for Social Defense and Gender Studies and Department of Criminology and Police Studies, Jodhpur</b>	<b>Chemistry: as a non-lethal weapon</b>	<b>2017</b>
<b>International conference on Frontiers at the chemistry-Allied Sciences Interface</b>	<b>International</b>	<b>Department of Chemistry, UOR; Indian Society of Chemists and .....Rajasthan Chapter</b>		<b>2018</b>
<b>मानवाधिकार: वर्तमान परिदृश्य एवं चुनौतियाँ</b>	<b>National</b>	<b>विश्वविध्यालय अनुदान आयोग</b>	<b>Human Rights and Mental Care</b>	<b>2018</b>
<b>Inter relationship of Knowledge and language</b>	<b>Regional</b>	<b>राजस्थान विश्वविध्यालय एवं महविश्वविध्यालय शिक्षक संघ</b>	<b>हिंदी भाषा एवं साहित्य</b>	<b>2018</b>
<b>Energy and Environment: Perspective and Challenges</b>	<b>National</b>	<b>Department of Chemistry, JNV University, Jodhpur</b>	<b>Water quality assessment of Kishore Sagar Talab Kota</b>	<b>2019</b>
<b>Innovative Research in science, Technology and Management</b>	<b>International</b>	<b>Modi institute of Management and Technology, Kota</b>	<b>Eucalyptus camaldulensis as a natural erosion ....different temperatures</b>	<b>2019</b>
<b>Sociocultural and Technological Transformation: global and Indian</b>	<b>International</b>	<b>Department of Sociology, govt. CollegeBeawer</b>	<b>Impact of chemistry on society</b>	<b>2019</b>

<b>Recent Trends in Environmental sustainability and Green Practices</b>	<b>National</b>	<b>Department of Botany, Govt College, Bundi</b>	<b>Determination of Lead and cadmium levels in soil samples of Kota City</b>	<b>2019</b>
<b>Status of vulnerable sections of society and Justice through Constitution and Social Engineering</b>	<b>International</b>	<b>Pandit Deendayal Upadhyaya Shekhawati University</b>	<b>संविधान में दलितों के अधिकार</b>	<b>2019</b>
<b>Skill Development: Opportunities and challenges</b>	<b>International</b>	<b>Department of Garment Production and Export Management</b>	<b>Health and Nutrition</b>	<b>2020</b>
<b>Interdisciplinary Applications of mathematics</b>	<b>National</b>	<b>Department of Mathematics, Govt. College Kota</b>	<b>Study of Solute-Solvent Interaction of Univalent electrolytes in Mixed Solvents</b>	<b>2022</b>
<b>India After 75 Years of Independence: Changes and Challenges</b>	<b>International</b>	<b>Gov. Arts College Sikar (Raj.) &amp; Social Science Humanities Association</b>	<b>Assessment of Pollution due to Various Drains entering In The River Chambal, Distt. Kota</b>	<b>2022</b>
<b>Emerging Trends In Environmental Sustainability</b>	<b>International</b>	<b>Indian Science Congress Association, Jaipur Chapter</b>	<b>Absorptive Removal Of Acid Blue 117 Dye over Alkali Activated Fly Ash</b>	<b>2023</b>
<b>Recent Advances In Science And Technology</b>	<b>National</b>	<b>Department Of Chemistry, Government College Koya</b>	<b>Natural Corrosion Process And Inhibition ..... electrochemical Parameters</b>	<b>2023</b>

**11. Organizing Sec./Convener of conference/seminar/webinar:**

<b>Conference/Seminar Title</b>	<b>Year</b>
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**12. ResourcePerson:**

<b>In training Programme</b>	–
<b>In conferences/Seminars (Chair/Co-Chair/of Session)</b>	–
<b>Invited Talk</b>	–

### 1. Research Publications:

<b>Title of Paper</b>	<b>Name of Journal with Impact factor</b>	<b>ISSN No. and UGC No. with Year</b>	<b>Citation Index</b>	<b>Impact Factor</b>	<b>Google Index</b>
<b>Polarographic Study Of Mixed Ligand Trimethylolpropane Trithioglycolate Alaninate Or Aspartate Or Glutamate Or Valinate Complexes With Cadmium (Ii) Lead (Ii) And Thallium (I) In Aqueous Non Aqueous Ethanol Vol 5(3) 349-356</b>	<b>Journal Of Ultra Chemistry</b>	<b>0973-3450</b>	–	<b>0.083</b>	–
<b>Polarographic Study Of Mixed Ligand (Carboxymethylmercaptosuccinate Alaninate Or Aspartate Or Glutamate Or Valinate With Cadmium (Ii) Lead (Ii) And Thallium In Ethanol Aqueous Media Vol 4 No.1 (2011) 124-131</b>	<b>Rasayan Journal Of Chemistry</b>	<b>0972-768X</b>	–	<b>1.2</b>	–
<b>Determination Of Lead And Cadmium In Soil Samples of Kota City Of Rajasthan State (1) Jan-June 35-39</b>	<b>Journal of women society Of Academic Research</b>	<b>2231-4164</b>	–	–	–
<b>Complexation Behaviour Of Cd (Ii) Pb (Ii) And Tl (I) With N-Butyl- 3-Mercaptopropionate In Presence Of Few Amino Acids In Aqueous Non Aqueous Media 9(2) 769-778</b>	<b>International Journal Of Chemical Sciences</b>	<b>0972-768X</b>	–	<b>0.29</b>	–
<b>Green Approach To Corrosion Inhibition Of Mild Steel In 1m Hcl Solution By Aqueous Extract Of Lantana Camara L. Leaves 13(3) 2015 1157-1162</b>	<b>International Journal Of Chemical Sciences</b>	<b>0972-768X</b>	–	<b>0.29</b>	–

<b>Corrosion Inhibition Of Mild Steel With Calotropis Procera L. Leaves In 1m HCl Solution Vol 8, Issue 2, 26064-26070</b>	<b>International Journal Of Current Research</b>	<b>0975-833X</b>		<b>7.749</b>	
<b>Adsorption Behaviour And Corrosion Inhibition Properties Of Leaves Of Nerium Oleander L. In Hydrochloric Acid Solution Vol 6 Issue 6 1417-1430</b>	<b>World Journal Of Pharmacy And Pharmaceutical Sciences</b>	<b>2278-4337</b>		<b>7.632</b>	
<b>Synthetic And Biocidal Studies Of Zn-Hydrazone Complexes Vol. 29, 2022, 37-41</b>	<b>Middle European Scientific Bulletin</b>	<b>2694-9970</b>		<b>5.499</b>	
<b>Method On Anaerobic Biogas Generation From Cow Dung And Water Hyacinth With Reference To Quality Of Gas And Its Effect On Public Surroundings, Volume 30   Nov-2022, 186-195</b>	<b>Middle European Scientific Bulletin</b>	<b>2694-9970</b>		<b>5.499</b>	
<b>Synthetic And Biocidal Studies Of Cuhydrazone Complexes</b>	<b>(IJMRSET)</b>	<b>2582-7219</b>		<b>4.988</b>	
<b>Water Quality Assessment In Terms Of Water Quality Index (WQI): A Case Study Of The Chambal River, Kota, Rajasthan</b>	<b>International Journal Of Innovative Research In Science, Engineering And Technology</b>	<b>2347-6710</b>		<b>7.089</b>	
<b>Potentiometric Study On The Complexes And Stability Of Zinc Complexes Of Thioglycolic Acid In Aqueous--Non-Aqueous Media</b>	<b>International Journal Of Innovative Research In Science, Engineering And Technology</b>	<b>2347-6710</b>		<b>7.089</b>	
<b>Correlation Study Among Water Quality Parameters Of Ground Water Of Kota District Of Rajasthan, India</b>	<b>International Journal For Modern Trends In Science And Technology</b>	<b>2455-3778</b>		<b>3.1</b>	

**2. Research Projects:**

Title of the Project	Year	Name of funding agency	Fund available/ utilized	Present status
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**3. Research Supervision:**

a. Basic Field of specialization: Physical and Environment Chemistry

4.  Ph.D.

Name of Student	Title of thesis	Present status	Date and Year of Award, if so
Priya Bhardwaj	Studies On Potential Green Corrosion Inhibitors For Mild Steel In Different Media	Awarded	2017

 M. Phil.

Name of Student	Title of Dissertation	Present status	Date and Year of Award, if so
Meenakshi Yadav	Viscosity And Apparent Molar Volume Of Univalent Electrolytes In Dmf + Water Mixed Solvents At Different Temperature	Submitted	2010

**13. 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
Advanced In Organic Chemistry	ISBN 978-81-94153-3-3-7	Kanak Prakashan, Prayagraj	2019

## • 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
Metal-Ligand Bonding in Transition Metal Complexes	Author	VMOU Inorganic Chemistry, ISBN-13/978-81-8496-197-3	VMOU, KOTA	2010

**13 Extra-Curricular Activities: Contributed successfully as a member of**

- 1. SSR and AQAR preparation team of College**
- 2. BSc Part second Admission Committee.**
- 3. Library Verification Committee**
- 4. College Statistics.**

**14. Collaborations and associations : NIL**

**15. Any Other Relevant Information/Contributions**