


## **FACULTY PROFILE**

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|--|---|---|
| Name   | Dr. SHRINIWAS GURJAR  |  |
| Designation  | Assistant Professor and HOD   |   |
| Address  | Department of Chemistry<br>Govt. P.G. College, Hindauncity,<br>Karauli Road, Hindauncity,<br>(Karauli) Rajasthan, Pincode- 322230 |   |
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| Educational Qualifications:  |   |   |
| Degree   | Institution   | Year  |
| B.Sc.  | Govt. P.G. College, Dausa<br>University of Rajasthan  | 2007  |
| M.Sc.  | Department of Chemistry, University of Rajasthan,<br>Jaipur   | 2009  |
| Ph.D.  | Department of Pure and Applied Chemistry,<br>University of Kota, Kota   | 2022  |
| Title of Ph.D. Thesis: Synthesis and characterization of some ionic liquids and their application<br>as green corrosion inhibitors |   |   |
| Teaching Experience: 14 Years  |   |   |
| 1.   | Ramjas College,<br>University of Delhi  | 18.11.2009 to 26.10.2018  |
| 2.   | Govt. P.G. College, Hidauncity  | 27.10.2018 to till now  |

| <b>Publication of Research Papers</b> |  |   |             |   |
|---------------------------------------|--|---|-------------|---|
| <b>S. No.</b>                         | <b>Authors</b>   | <b>Title</b>  | <b>Year</b> | <b>Journal, Volume and No.</b>  |
| 1                                     | <b>Shrinivas Gurjar,</b><br>Sonia Ratnani,<br>Pankaj Kandwal,<br>Kamal Kant Tiwari,<br>Ankit Sharma,<br>Sushil Kumar<br>Sharma | Experimental and theoretical studies of 1-Benzyl pyridazinium bromide as green inhibitor for mild steel corrosion | 2022        | e-Prime-dvances in electrical Engineering Electronics and Energy, Volume 2, 2022, 100054<br><a href="https://doi.org/10.1016/j.prime.2022.100054">https://doi.org/10.1016/j.prime.2022.100054</a> |
| 2                                     | <b>Shrinivas Gurjar,</b><br>Sushil Kumar<br>Sharma, Ankit<br>Sharma, Sonia<br>Ratnani  | Performance of imidazolium based ionic liquids as corrosion inhibitors in acidic medium: A review                 | 2021        | Applied Surface Science Advances, Volume 6, 1 December 2021, 100170<br><a href="https://doi.org/10.1016/j.apsadv.2021.100170">https://doi.org/10.1016/j.apsadv.2021.100170</a>                    |

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|---|---|--|------|---|
| 3 | <b>Shriniwas Gurjar,</b><br>Sushil Kumar<br>Sharma, Ankit<br>Sharma, Sonia<br>Ratnani | Pyridazinium based ionic liquids<br>as green corrosion inhibitors: An<br>overview                                | 2021 | Electrochemical Science<br>Advances, Volume 2, Issue 4,<br>August 2022<br><a href="https://doi.org/10.1002/elsa.202100110">https://doi.org/10.1002/elsa.202100110</a>                                   |
| 4 | Sarika Malik,<br><b>Shriniwas Gurjar,</b><br>Sonia Ratnani                            | Direct and simple approach for<br>assigning absolute configuration<br>in wedge dash projection                   | 2021 | African Journal of Chemical<br>Education, Volume 11, No. 2<br>(2021)<br><a href="https://www.ajol.info/index.php/ajce/article/view/214463">https://www.ajol.info/index.php/ajce/article/view/214463</a> |
| 5 | Sarika Malik,<br><b>Shriniwas Gurjar,</b><br>Sonia Ratnani                            | Functional Group Analysis in<br>Undergraduate Laboratory Safe,<br>Cost-effective and Micro-scale<br>Alternatives | 2019 | Resonance, Volume 24, No.6<br>(2019)<br><a href="https://doi.org/10.1007/s12045-019-0826-0">https://doi.org/10.1007/s12045-019-0826-0</a>   |

#### Publication of Books/Chapters

| S. No. | Title  | Name of Publisher  | ISBN No.  | Author/ Coauthor |
|--------|--|--|---|------------------|
| 1      | Synthesis, Characterization, and Applications of Surface Modified Carbon Nanotubes       | American Chemical Society, ACS Symposium Series Vol. 1424<br><a href="https://pubs.acs.org/doi/abs/10.1021/bk-2022-1424.ch003">https://pubs.acs.org/doi/abs/10.1021/bk-2022-1424.ch003</a> | ISBN:<br>9780841297494<br>eISBN:<br>9780841297487 | Author           |
| 2      | Adsorption of Ionic Liquids on the Metal Surface Coordination Chemistry of Ionic Liquids | Bentham Science (in press)   |   | Author           |
| 3      | Organic Chemistry Volume –I  | I.K. International Publishing House Pvt. Limited, New Delhi  | ISBN:<br>9789386768582                            | Author           |
| 4      | Organic Chemistry Volume –I (Paperback)  | Dreamtech Press  | ISBN:<br>9789390581139<br>ISBN-10: 9390581133     | Author           |
| 5      | CHEMISTRY For Competitive Examinations   | Manakin PRESS, Delhi   | ISBN:<br>9789386677723                            | Author           |
| 6      | Comprehensive Stereochemistry  | Medtech Publishers, Delhi  | ISBN:<br>978-93-864-7947-1                        | Author           |
| 7      | CHEMISTRY (Inorganic and Organic) Volume I   | Manakin PRESS, Delhi   | ISBN:9789386221698                                | Author           |
| 8      | CHEMISTRY (Organic and Physical) Volume -II  | Manakin PRESS, Delhi   | ISBN:<br>978-9386677617                           | Author           |
| 9      | CHEMISTRY (Organic and Physical) Volume -III   | Manakin PRESS, Delhi   | ISBN:<br>978-9386677785<br>ISBN-10: 9386677784    | Author           |

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|----|--------------------------------|-----------------------------------|------------------------|--------|
| 10 | Experimental Organic Chemistry | PHI, Learning Pvt. Limited, Delhi | ISBN-978-81-203-4613-0 | Author |
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**Research Papers Presented (in Conferences/ Seminars/ workshops etc)**

| <b>Title of Research Paper</b>   | <b>Title of Conference / Seminar</b>                                 | <b>Organised by with date</b>  | <b>Whether international /national / state/ regional / college or University</b> | <b>Presented/ Participat-ed</b> |
|--|--|--|--|---------------------------------|
| Ionic Liquids as Green Corrosion Inhibitors for Metals and alloys in Acidic medium   | International Virtual Conference on Frontiers in Chemical Sciences   | Department of Chemistry, Mohanlal Sukhadia University Udaipur, Rajasthan, India on June 25, 2021 | International  | Presented                       |
| Microwave-Assisted Synthesis, Characterization and Corrosion Inhibition Study of 1-Benzylpyridazinium Bromide on Mild Steel in acidic medium | National Seminar on Environmental Issues and Sustainable Development | S. S. Jain Subodh College of Global Excellence Sitapura, Jaipur                                  | National   | Presented                       |

Date: 11/05/2023

Dr. Shriniwas Gurjar