



S.D.Govt. College, Beawar

Faculty Profile



1. **Name:** Dr. ASHA MEENA
2. **Designation:** ASSISTANT PROFESSOR
3. **Department:** CHEMISTRY
4. **Educational Qualification:**

| Level | Name of University/Board | Year | Title/ Remark/ Medal |
|------------------|-------------------------------------|------------------------------------|--|
| SECONDARY | BOARD OF SECONDARY EDUCATION, AJMER | 1995 | I Division |
| SENIOR SECONDARY | BOARD OF SECONDARY EDUCATION, AJMER | 1997 | I Division |
| B. Sc. | UNIVERSITY OF RAJASTHAN, JAIPUR | 2000 | I Division |
| M. Sc. | UNIVERSITY OF RAJASTHAN, JAIPUR | 2002 | I Division |
| NET | CSIR-UGC | 2003 | |
| Ph. D. | MDS UNIVERSITY, AJMER | 2020 Awarded 18 June 2022 | THESIS SUBMITTED (TITLE- Synthesis, Spectroscopic, Kinetic and Biological Studies of Copper (II) Sesame and Copper (II) Groundnut soaps and their complexes) |

5. Experience: Teaching / Research

| | | | | | |
|----|----------|----|----------|----------|---|
| UG | 12 YEARS | PG | 12 YEARS | Research | - |
|----|----------|----|----------|----------|---|

6. **Membership (Academic Bodies/ Research societies):** NIL

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

8. **Awards Received:** NIL

9. Academic Courses Attended:

| Course | Place | Sponsoring Agency | Duration |
|--------------------|--------------------------------------|-------------------|-----------------------|
| Orientation Course | ASC, UNIVERSITY OF RAJASTHAN, JAIPUR | UGC | 06.01.2014-01.02.2014 |

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|--|---|-------------|-----------------------|
| Refresher | HRDC, M.D.S. UNIVERSITY, AJMER | UGC | 29.09.2015-19.10.2015 |
| | TEACHING LEARNING CENTRE, RAMANUJAN COLLEGE, UNIVERSITY OF DELHI | MHRD | 08.03.2021-22.03.2021 |
| | TEACHING LEARNING CENTRE, RAMANUJAN COLLEGE, UNIVERSITY OF DELHI | MHRD | 28.03.2022-11.04.2022 |
| Others (Workshop/ Summer School/ Camp etc.) | DIRECTORATE COLLEGE EDUCATION, JAIPUR AND S.P.C. GOVT. COLLEGE, AJMER | DCE, JAIPUR | 18.02.2020-19.02.2020 |
| Online F.D.P (Faculty Development Programme) | DIRECTORATE COLLEGE EDUCATION, JAIPUR AND S.P.C. GOVT. COLLEGE, AJMER | DCE, JAIPUR | 19.08.2020-20.08.2020 |
| | DIRECTORATE COLLEGE EDUCATION, JAIPUR AND IIT, KOTA | DCE, JAIPUR | 27.08.2020-28.08.2020 |
| | STATE LEVEL TRAINING-WORKSHOP UNDER SUBJECT SPECIFIC SHORT TERM PROGRAMME | DCE, JAIPUR | 18.01.2021-23.01.2021 |

FDP AND REFRESHER COURSE LINK

<https://acrobat.adobe.com/link/track?uri=urn:aaid:scds:US:ede74164-0501-4d04-9fa1-8a940a575901>

10. Seminar/ Conference :

| S. No. | Name of Symposium/ Seminar/Conference | Internat./ National/ Regional | Organized by | Title of Paper presented | Year |
|--------|---|-------------------------------|--|--|------------------------------|
| 1 | National Seminar on Chemistry of Primates : Green Chemistry, DAV College, Ajmer | National | Department of Chemistry, Dayanand College, Ajmer | Catalytic photodegradation of Copper (II) soaps-----as photocatalyst | 29-30 th Nov.2012 |
| 2 | National Seminar on Innovative Teaching Methodology for 2D | National | Department of Pure and Applied | | 21 st March 2013 |

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|---|---|---------------|---|--|--------------------------------|
| | NMR Spectroscopy, M.D.S. University, Ajmer | | Chemistry, M.D.S. University, Ajmer | | |
| 3 | National Conference on Ecological Perspective of Rain Water Harvesting and Ground Water, Govt. College, Ajmer | National | Department of Zoology, Government College, Ajmer | Municipal Waste Water and its Treatment | 3-4 th Jan. 2014 |
| 4 | National Seminar on Adaptability of Ecofriendly Chemistry for Engineers, Govt. Mahila Engineering College, Ajmer | National | Department of Chemistry and Electrical & Electronics Engineering, Govt. Mahila Engineering College, Ajmer | | 18 th Aug. 2015 |
| 5 | International Conference on Impact of Make in India Efforts, Biyani Girls College, Jaipur | International | Department of Science, Applied Science for Advancement of Research and Industrialization | Bioaccumulation of Heavy Metal by <i>Saccaromyces Cerevisiae</i> | 21-27 th Sept. 2015 |
| 6 | National Conference on Sustainable Chemical & Material Sciences (SCMS 2016), S.S. Jain Sudodh P.G. (Autonomous) College, Jaipur | National | S.S. Jain Sudodh P.G. (Autonomous) College, Jaipur | Kinetics of formic acid inhibited-----S(IV) in acidic medium | 5-6 th Aug. 2016 |
| 7 | National Workshop on Novel Approaches and Techniques in | National | Govt. Women Engineering | | 29-30 th Nov. 2016 |

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| | Research Methodology | | College, Ajmer | | |
|----|---|----------|---|--|-------------------------------|
| 8 | National Seminar on Global Environmental Changes, Health and Society | National | DAV College, Ajmer | | 10 th Dec. 2016 |
| 9 | National Seminar on Empowering Human Rights through Cashless Economy in India | National | Shri Ratanlal Kanwarlal Patni Govt. P.G. College, Kishangarh | Effects of cashless economy | 6 th Jan. 2017 |
| 10 | National Seminar on Safeguarding Human Rights in India : Theory and Practice | National | Shri Govind Singh Gurjar College, Nasirabad | Role of populist in prevention of corruption | 9 th Jan. 2017 |
| 11 | National conference on Ground Water Quality, Water Conservation Management and Technology | National | P.G. Department of chemistry, Govt. R.R. (PG) Autonomous College, Alwar | Improvement and sustainable management of ground water | 20-21 th Jan. 2017 |
| 12 | College level Research Seminar | Regional | S.D. Govt. College, Beawar | Reaction Mechanism | 9 th March 2017 |
| 13 | National Seminar on Climate Change and Sustainable Development | National | Indira Gandhi centre for human ecology, environment and population studies, University of Rajasthan, Jaipur | | 5 th June 2017 |

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|----|---|---------------|---|--|--------------------------------------|
| 14 | National Seminar on Biodiversity, Human Rights and Sustainable Development | National | Shri Ratanlal Kanwarlal Patni Govt. P.G. College, Kishangarh, Ajmer | | 15 th Sep. 2017 |
| 15 | National seminar on A new perspective: Development of Pilgrimage Tourism in Rajasthan | National | Govt. Girls College, Ajmer | Development of Tourism in Rajasthan | 30 th Nov. – 01 Dec. 2017 |
| 16 | College level Research Seminar | Regional | S.D. Govt. College, Beawar | IR Spectroscopy and its applications | 21 Nov. 2017 |
| 17 | National Workshop on Instrumentation Techniques for Research in Chemical Sciences | National | Department of Chemistry, Kanoria PG Mahila Mahavidyalya, Jaipur(Raj.) | Thermogravimetric analysis of Copper (II) soap complexes | 22-23 Dec. 2017 |
| 18 | India-Japan International Conference on Sustainable Development BICON-2018 | International | Biyani Group of Colleges, Jaipur, Rajasthan | Thermal degradation of Copper soap complexes derived by sesame oil | 27 th Nov. 2018 |
| 19 | College level Research Seminar | Regional | S.D. Govt. College, Beawar | UV-Visible Spectroscopy | 3 rd Oct. 2018 |
| 20 | International Conference on Chemical Sciences in New Era | International | Paher University, Udaipur | | 5-6 th Oct. 2018 |
| 21 | International conference on modern approaches of chemical science and nanomaterials | International | Department of Chemistry, School of Sciences, | Thermal decomposition of copper (II) groundnut urea complex | 26-27 th Aug. 2019 |

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|----|---|---------------|--|--|-------------------------------|
| | | | Modi University of Science and Technology, Lakshmanpura, Sikar, Rajasthan, India | | |
| 22 | International conference on sustainable development BICON-2019 | International | Biyani group of colleges, Jaipur(Raj.) | Degradation kinetics of copper (II) complex | 23 rd Nov. 2019 |
| 23 | National conference on human rights are women's rights: Women's rights are human rights (NCHRWR-2019) | National | Government College, Jaipur, Raj., India | Protection of the human rights for women | 27-28 th Nov. 2019 |
| 24 | International conference on emerging challenges, their solutions and recent advances in science | International | Government Science College, Sikar, Raj., India | Antimicrobial activities of copper (II) groundnut urea complex | 04-05 th Oct. 2019 |
| 25 | International conference of Rajasthan sociological association on socio-cultural and Technological transformation | International | S.D. Govt. College, Beawar | Transformations of nano-materials in the environment | 11-12 th Oct. 2019 |
| 26 | International conference on environmental & climatic consequences challenges & mitigation strategies | International | Sangam University, Bhilwara | Water pollution and its treatment technologies | 21-22 nd Dec. 2019 |

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|----|---|---------------|--|---|--------------------------------|
| 27 | IIHSG International conference 2021 on Gender security & Global politics | International | S.K.R.P. Govt. P.G. College, Kishangarh, Ajmer | Importance of gender and security | 25-26 th Feb., 2021 |
| 28 | International conference on Multidisciplinary approach towards sustainable development and climate change for a viable future | International | Govt. R.R. (PG) Autonomous College, Alwar | Degradation kinetics and antimicrobial studies of copper (II) soap complexes for sustainable development of environment | 12-14 th Aug. 2022 |
| 29 | National conference on Recent trends in plant sciences | National | IIS University, Jaipur | Antimicrobial activities of Copper (II) groundnut urea complex | 9-10 th Aug. 2022 |
| 30 | International conference on emerging areas in chemical sciences | International | Pahar University, Udaipur | Synthesis, characterization and biological properties of Copper (II) groundnut-soap complexes | 19-20 th Nov. 2022 |
| 31 | International conference on Environment, sustainable development and human health | International | S.R.K.G. P.G. College, Rajsamand | Green chemistry for sustainable development of environment | 16-17 th Dec. 2022 |
| 32 | International conference on Tribal development in India | International | S.D. Govt. College, Beawar | Climate change in tribal area | 12-13 th Jan. 2023 |
| 33 | International conference on environmental protection and social governance | International | Govt, Dudu College, Jaipur | Importance of environmental protection and sustainable development | 27-28 th Jan. 2023 |
| 34 | National Conference on Recent Advances in Science and | National | Govt. college, Kota | Research Advances in Material Science and Renewable | 6th – 7th Octobe |

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|----|--|----------|-----------------------|--|-----------------|
| | Technology | | | Energy | r, 2023 |
| 35 | National conference on emerging technologies in chemistry & their applications | National | Govt. college, Sirohi | Impact of chemistry in scientific research and development | 19-20 Oct. 2023 |

Conference and seminar link

<https://acrobat.adobe.com/link/track?uri=urn:aaid:scds:US:8fcaae03-db26-4913-af2c-85b134e4e439>

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

| Conference/Seminar Title | Year |
|--------------------------|------|
| NIL | |

12. Resource Person:

| | |
|---|-----|
| In training Programme | |
| In conferences/Seminars (Chair/Co-Chair/of Session) | NIL |

13. Research Publications

| S. No. | Title of Paper | Name of Journal with Impact factor & ISSN No. | Volume and No. with Year | Citation Index | Impact Factor | Google Index |
|--------|---|---|--|----------------|---------------|--------------|
| 1 | Thermogravimetric Analysis of Copper(II) Thiourea Complex Derived from Sesame Oil (Sesamum indicum) | Journal of Applicable Chemistry, 2278-1862 | Volume 7, Issue 6, Year 2018 | | | |
| 2 | Synthesis and Characterization of Chemical Structures, Thermal Decomposition and Biological | Current Physical Chemistry, 1877-9468 | Volume 10, Issue 3, Year 2020 DOI: 10.2174/1877946810666200116091321 | | | |

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|---|---|---|--|--|-------|--|
| | Properties of Novel Copper (II) Bio-Based Surfactants | | | | | |
| 3 | Photocatalytic degradation and antibacterial study of Copper(II) mustard thiourea complex | Current Physical Chemistry, 1877-9468 | Volume 10, Issue 3, Year 2020 DOI: 10.2174/1877946810666200221122053 | | | |
| 4 | Solid State Kinetics and Antimicrobial Studies for Copper (II) Sesame and Copper (II) Groundnut Complexes with Substituted Benzothiazole Ligand | Letters in Organic Chemistry, 1875-6255 | Volume 18, Issue 3, Year 2021 DOI : 10.2174/157017861799200812134745 | | 0.779 | |
| 5 | Study of Photocatalytic Dergradation, Kinetics and Microbial Activities of Copper (II) Soya Urea Complex in Non Aqueous Media | Letters in Organic Chemistry, 1875-6255 | Volume 18, Issue 3, Year 2021 DOI: 10.2174/1570178617999200711175559 | | 0.779 | |
| 6 | Characterization and antibacterial screening of copper surfactants | International Journal of Chemical and Biological Sciences | Volume 4, Issue 2, Year 2022 DOI: https://doi.org/10.33545/26646765..v.i.43 | | | |
| 7 | Biological importance of copper (II) sesame soap-urea complex | International Journal of Advanced Chemistry Research | Volume 4, Issue 2, Year 2022 DOI: 10.33545/26646781.2022.v4.i2e.118 | | | |
| 8 | Biocidal Properties | Innovation The | Volume 8, Issue 10, Year | | | |

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|----|---|---|--|--|--|--|
| | of Copper (II) Soap Complex Derived From Natural Edible Oil | Research Concept 2456-5474 | 2022 | | | |
| 9 | Antimicrobial Studies of Copper (II) Sesame Urea and Thiourea Complex Against <i>Staphylococcus Aureus</i> | International Journal of Scientific Research in Science, Engineering and Technology | Volume 10, Issue 2 March-April-2023 DOI: https://doi.org/10.32628/IJSRSET219416 | | | |
| 10 | Preparation and Characterisation and Performance of Copper (II) Surfactant as Cu(II) Complex | Current Physical Chemistry, 1877-9468 | Volume 13, Issue 3, Year 2023 DOI: 10.2174/1877946813666230720111013 | | | |
| 11 | Thermal Analysis and Biocidal Studies of Copper (II) Soapgroundnut Complex Containing Urea and Thiourea as a Ligand | Current Physical Chemistry, 1877-9468 | Volume 13, Issue 2, Year 2023 DOI: 10.2174/1877946813666230331090939 | | | |
| 12 | Synthesis and Characterization of Copper (II) Soap Complexes Derived from Natural Edible Oils with Substituted Benzothiazoles | Research Journal of Chemistry and Environment | Volume 27, Issue 12, Year 2023 DOI: 10.25303/2712rjce083089 | | | |
| 13 | Study of Structural Elucidation, Degradation Kinetics and Antimicrobial | Letters in Organic Chemistry, 1875-6255 | Volume 21, Issue 4, Year 2024 DOI: 10.2174/011570178626 | | | |



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|----|---|--|--|--|--|--|
| | Analysis of Copper (II) Sesame-Soap Complexes with Urea and Thiourea Ligand in Non-aqueous Solvents | | 0899231023091359 | | | |
| 14 | Biocidal Properties of Copper (II) Groundnut Urea Complex | International Journal of Multidisciplinary Research in Science, Engineering and Technology | Volume 7, Issue 8, Year 2024 DOI: 10.15680/IJMRSET.2024.0708029 | | | |

14. Research Projects:

| Title of the Project | Year | Name of funding agency | Fund available/ utilized | Present status |
|----------------------|------|------------------------|--------------------------|----------------|
| NIL | | | | |

15. Research Supervision:

- Basic Field of specialization:

❖ Ph.D.

| Name of Student | Title of thesis | Present status | Date and Year of Award, if so |
|-----------------|-----------------|----------------|-------------------------------|
| NIL | | | |

❖ M. Phil.

| Name of Student | Title of Dissertation | Present status | Date and Year of Award, if so |
|-----------------|-----------------------|----------------|-------------------------------|
| NIL | | | |

16. 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 |
|---|------------------|------------------------------|---------------------|
| Synthesis and biological properties of Copper (II) sesame-urea complex against <i>Staphylococcus aureus</i> | 978-93-91777-53- | Raj publishing house, Jaipur | 2021 |

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| | 17-3 | | |
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• **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 |
|--|---|---|------------------------------|----------------------------|
| Spectral studies and thermal decomposition kinetics of Copper (II) sesame thiourea complex | Asha Meena, Dr. Rashmi Sharma, Vandana Sukhadia | Recent advances in multidisciplinary research ISBN No - 978-93-91777-53-1 | Raj publishing house, Jaipur | 2021 |
| Solid state kinetics and antimicrobial studies of Copper (II) soap thiourea complexes for sustainable development of environment | Dr. Asha Meena, Dr. Vandana Sukhadia | Global environmental science: Issues and solutions ISBN No- 978-93-91777-53-58-6 | Raj publishing house, Jaipur | 2022 |

13 Sports Activities: NIL

14 Extra Curricular Activities: NIL

15. Any Other Relevant Information/Contributions: NIL

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