

### Faculty Profile:

Name : Dr.Sulochana Sharma  
Subject : Chemistry  
Designation : Assistant Professor  
Address : SBRM Govt. PG College, Nagaur,  
Rajasthan  
Email & Mob No. : [sharmachemap@gmail.com](mailto:sharmachemap@gmail.com)



### Educational Qualifications:

Examination	Year of passing	University/ Institution	Percentage
M.Sc. (Chemistry)	2003	MDSU, Ajmer	66.00
B.Sc. (Chemistry)	2001	MDSU, Ajmer	71.40
XII	1997	RBSE, Ajmer	66.30
X	1994	RBSE, Ajmer	73.20

### Professional Qualifications:

- NET [CSIR-UGC] qualified in **Chemical Science** in December 2003.
- NET-JRF qualified in Chemical Science in June 2010 with 369 all India rank.
- **Ph.D:** Pursuing (Submitted)

### Teaching Experience:

- Presently working as Assistant Professor at PG department of Chemistry in SBRM Govt. PG College, Nagaur, Rajasthan
- Six months teaching experience as the Lecturer of Chemistry in Yagyavalkya Institute of Technology (YIT), Jaipur, Rajasthan from October 2007-March 2008.
- Two years teaching experience as Lecturer in Chemistry from M. N. Institute of Applied Sciences, Bikaner from June 2005-July 2007.

## Induction/ Refresher /FDP Course Attended:

- Participated in 5th **Induction Programme** From 02<sup>nd</sup> March, 2020 to 16<sup>th</sup> March, 2020 (offline) and 07<sup>th</sup> December, 2020 to 18<sup>th</sup> December, 2020 (online) organized by Human Resource Development Centre University of Rajasthan, Jaipur
- Participated in **Gyan Ganga State level first Training-Workshop** under subject specific short term programme "Initiative for Teaching-Learning Excellence in Chemistry" from 7-11, September, 2021. Jointly organized Directorate of College Education, Rajasthan, Jaipur and Government Dungar College, Bikaner (Rajasthan).
- Successfully completed online two - week interdisciplinary **Refresher Course** on "Advanced Research Methodology" from 22 January - 05 February 2022 and obtained grade A<sup>+</sup>. Organized by Learning Centre, Ramanujan College University of Delhi in collaboration with academia international college, Nepal under the aegis of ministry of education Pandit Madan Mohan Malaviya National Mission on Teachers and Teaching.

## Research Publications

1. Study of incredible phyto-pharmaceuticals assets accessible in *catharanthus Roseus* L.(Alba). Raaz K. Maheshwari, **Sulochana Sharma**, Sahi Ram Vishnoi, Lakha Ram, Ravi Sharma and MM Abid Ali Khan, **International Journal on Biological Sciences**, (Dec. 2019), page 90-97.
2. Versatile usage & therapeutic applicability of miraculous drumstick tree (Moringa Oleifera-Lam.) Raaz K. Maheshwari , Sukhraj Punar , Anju Sharma, Mahendra Singh Rathore , **Sulochana Sharma**, Ashok K. Kakodia and MM Abid Ali Khan, **International Journal on Biological Sciences**, (June, 2020), page 15-22.
3. Clinical Manifestations and Protective Measures of Environmental Noise: An Overview; Raaz K. Maheshwari , Ranjeet Poonia , Mahendra Singh Rathore, Ashok K. Kakodia Anil Kumar and **Sulochana Sharma**, **International Journal of Biological Innovations**, 2 (1), (June,2020), page 36-41. (DOI:[10.46505/IJBI.2020.2106](https://doi.org/10.46505/IJBI.2020.2106)).

4. Synthesis of Medicinally Important Quinazolines and Their Derivatives: A Review. Sulochana Sharma, Kailash Sharma, Sakshi Pathak, Mahendra Kumar and Praveen Kumar Sharma, The Open Medicinal Chemistry Journal (**Bentham Open-Scopus Indexed**) 2020 (DOI: [10.2174/1874104502014010108](https://doi.org/10.2174/1874104502014010108) ).
5. Imminent Attributes of Splendid Star Fruit (Averrhoa Carambola L.). Lakha Ram , Sukhraj Punar , Sulochana Sharma , Ashok K. Kakodia , Raaz K. Maheshwari, International Journal of Modern Pharmaceutical Research, 2020. **ISSN number-** 2319-5878.
6. Incredibly Vivacious Aegle Marmelos L. Corr. (Golden Apple) and its Comprehensive Therapeutic Benefits: An Eye-catching Review. Ravi Sharma , Abhilasha Chaudhary , Lakha Ram, Ashok K. Kakodia , Sukhraj Punar , Sulochana Sharma and Raaz K. Maheshwari, International Journal of Modern Pharmaceutical Research, 2020. **ISSN number-** 2319-5878.
7. Shifting Environment Due to Ancillary Inducement of Quarantine & Lockdown (ncorv\_Covid-19). Bina Rani, Upma Singh, Rajesh Kumar Yadav, Sulochana Sharma and Raaz K. Maheshwari, Kalyan Bharti (UGC CARE List Group I).2021. **ISSN number-** 0976-0822
8. Changing Climate due to indirect influence of Lockdown Caused by (nCorV) \_COVID-19. Raaz K Maheshwari, Bina Rani, Upma Singh, Kailash Sharma, Lakha ram, Sulochana Sharma and Ravi Sharma. University NEWS, 60(02) January 10-16, 2022, **ISSN number-** 0566-2257
9. Choudhary, Abhilasha & Sharma, Sulochana & Singh, Ranveer & Narayan, Prakash. (2022). Hydrobiological assessment of sustainable desert Rain-Fed ponds of Western Rajasthan using Physicochemical characteristics and Phyto-planktonic indices. Materials Today: Proceedings. DOI:10.1016/j.matpr.2022.11.325

#### **Abstracts & Poster presented in International Conferences:**

1. Ionic liquid assisted convenient one-pot synthesis of structurally diverse dihydrochromenopyrimidine-2-thiones, dihydropyrimidopyrimidine-2-thiones and dihydroarylpyrimidine-2-thiones derivatives. Kailash Sharma, **Sulochana Sharma**, Mahendra Kumar, **International Conference** On Recent Trends In Chemical Sciences,



2. Presented paper in **International Conference** on Green Initiatives in Science & Technology (GIST-2019) jointly organized by Manav Rachna University Faridabad, India, and Green Chemistry Centre of Excellence, University of York, U.K. and Royal Society of Chemistry London on 10-11 January, 2019. Page no.34, entitled “Sustainability of Green Chemical Technology for Comfort, Monetary Spiraling & Protected Environment”.
  
3. Presented paper in the **International virtual conference** on 03-04th Oct. 2020 entitled "**International Virtual Conference on Green Chemistry for Clean Environment**" organized by Department of Chemistry, Pacific College of Basic and Applied Sciences, PAHER University, Udaipur (Raj.) The title of paper was Waste water treatment through advance technologies: A review.
  
4. Presented oral lecturer in **International Conference** on Green & Sustainable Chemistry, organized by Department of Chemistry, Manav Rachna University Faridabad, India. Entitled Greener Route to Prevent Pharmaceutical pollution on 7-8 November, 2019.
  
5. Participated in **International Conference** on International year of Periodic Table (IYPT 2019) „Know your Elements“ organized by Kanoria PG Mahila Mahavidyaalay, Jaipur on 29th - 30th November, 2019.
  
6. Presented paper in **International Conference** on Recent Advances in Fundamental and Applied Sciences (RAFAS) organized by School of Chemical Engineering and Physical Sciences, Lovely Professional University, Punjab, India, on 25th and 26th June, 2021 entitled as “Comparative Study of Physico-Chemical Parameters of Groundwater of Nagaur District, Rajasthan, India”
  
7. Participation in **International E-Conference** on “Management of Forest and Wildlife Under Changing Climate Scenario” organized by JDB Government Girls College, Kota Rajasthan. India during 19-20 November 2020.
  
8. Participation in **International E-Conference** on “Current Trends in Research in Biodiversity, Environment and Plant resources” organized by JDB Government Girls College, Kota Rajasthan. India during 25-26 November 2020.

9. Presented paper in **International Virtual Conference** on Frontiers in Chemical Sciences, organized by Department of Chemistry, MLSU, Udaipur, India on 25 June, 2021. Entitled as “A Study on the Water Environmental Quality Assessment of Surface and Ground water Supply of an Urban City”
  
10. Presented paper entitled “**Defluoridation of Potable Water Employing Nanotechnological Approach**” in **5<sup>th</sup>International Conference** on “Advances in Smart Agriculture and Biodiversity Conservation for Sustainable Development [SABCD-2022] organized by Agricultural Development Technology Society, Muradanagar, Ghaziabad, Uttar Pradesh on 04-06 March 2022 at Jaipur National University, Jaipur, India.
  
11. Presented paper entitled “Hydro-biological assessment of sustainable Desert Rain-Fed Ponds of Western Rajasthan Using Physico-chemical Characteristics and Phytoplanktonic Indices” in **Second Global Conference on Recent Advancements in Sustainable Materials (GC-RASM 2022)** AJ Institute of Engineering and Technology, Mangalore, Karnataka, India during 28 – 29, July 2022.

#### **Abstracts & Poster presented in National Conferences:**

1. Participated in **National Conference** on Resilience and Resource Management Including ICT for Sustainable Agriculture and Biotechnology organized by Industrial Dr. M.P.S. Group of Institutions, Agra, on 23-24 February, 2019.
  
2. Presented paper in **National Conference** on Innovation in Science and Technology an Inter- Disciplinary Approach to Sustainable future organized by Suratgarh Gurukul Sansthan, Suratgarh on **21st December, 2019**, Page no.31, entitled “Sustainability of Green marketing for future prospective and economical intensification worldwide”).
  
3. Presented paper in **National Conference** on Futuristic Directions in Applied Sciences Education and Research (FDASER-2021) on 31 July 2021 organized by Shri J.J.T. University, Jhunjhunu, Rajasthan.

### Workshops:

- Presented Paper in **National Workshop** under the Aegis of YDC on “Human Rights & Duties” organized by S.B.R.M. Govt. College, Nagaur on 19th December, 2018.
- Participated in **National Workshop** on Instrumentation Techniques for Research in Chemical Sciences (ITRCS-2019) organized by Sophia Girls College, Ajmer, India on 6-7 September, 2019.
- Participated in **National Workshop** on “Mere Sapno Ka Bharat-Atamnirbhar Bharat” organized by S.S. Jain Subodh P.G. College, Jaipur, during 12-13 February 2021.
- Successfully participated in three days’ **Workshop** on Data Analysis with SPSS organized by Department of Economics, Jai Narain Vyas University, Jodhpur, Rajasthan during Feb 10-12, 2022.

### Membership of Association/Professional bodies:

- **Life Member** of Association of Chemistry Teachers (ACT) of Homi Bhabha Centre for Science Education, Tata Institute of Fundamental Research, Mumbai. (Mem.No.2213 dated 4.10.2019).
- **Life Member** of National Environmental Science Academy (NESA) of New Delhi. (Mem.No.2139 dated 20.05.2020)
- **Life Member** of The Indian Science Congress Association (ISCA).

### Book/Chapters

#### No. 1

1. **Title of Chapter**- Enragement Charaded by Microbial Incursions in Industrial Water Systems: Strategies to Identify, Manage and Control Microbiologically Influenced Corrosion
2. **Name of authors**- Bina Rani, Upma Singh, V.K. Swami, M.M. Abid Ali Khan, Sukhraj Punar, **Sulochana Sharma** and Raaz K. Maheshwari
3. **Title of the book published** – Environmental Change and Impact on Biological Systems
4. **Name of the publisher** - Lenin Media Private Limited, Delhi, India
5. **National/International** - National
6. Year of Publication - 2020
7. ISBN number - 978-81-942846-5-9

## No. 2

1. **Title of Chapter-** Innovative Conversion Technologies for Waste to Bio-energy Generation and Carbon Sequestration
2. **Name of authors-** Raaz K. Maheshwari, Bina Rani, Anil Kumar, M.M. Abid Ali Khan, Sabiha Kazmi, **Sulochana Sharma**, Sahiram Vishnoi, Kumbhram Mahala and Upma Singh
3. **Title of the book published** – Environmental Change and Impact on Biological Systems
4. **Name of the publisher** - Lenin Media Private Limited, Delhi, India
5. **National/International** - National
6. Year of Publication - 2020
7. ISBN number - 978-81-942846-5-9

## No. 3

1. **Title of Chapter-** Air Pollution: Types, Causes and effects
2. **Name of authors-** **Sulochana Sharma**
3. **Title of the book published** – Environment: Concept, Challenges and Conservation
4. **Name of the publisher** – Shriyanshi Prakashan, Agra (U.P.), India
5. **National/International** - National
6. Year of Publication - 2020
7. ISBN number - 978-93-81247-41-9

## No. 4

**Title of Chapter-** A Review on the domineering Studies of Phytochemical and pharmacological Characteristics of Wild Edible Fruit of Garhwal, Timla (*Ficus auriculata* Lour.)

**Name of authors-** **Sulochana Sharma**, Mukul Baijal, Ruchi Agarwal, Raaz K Maheshwari

**Title of the book published** – **Nutritional and therapeutic Attributes of plants for Health Care**

**Name of the publisher** – Society of academic Research for Rural Development [ SARRD], Gautam Budh Nagar, (U.P.), India

**National/International** - National

Year of Publication - 2022

ISBN number - 978-93-94243-07-1

Dr. Abhilasha Choudhary, Sulochana Sharma Dr. Ranveer Singh Physico-Chemical Fluxes and in Desert Ponds A Case Study of Some Nadis and Talabs of Nagaur District, Rajasthan, India Global Environmental Science :Issues and Solutions(Part-B: Science and Humanity) Peer Reviewed International Standard Book No. (ISBN) Book 978-93-91777-52-4 Edition: 2022



## Inspire Project

- ❖ Inspire project entitled as “Biomedical Waste Management for Sustainable Era ” was co-guided for Sneha Jangid of B.Sc. 2<sup>nd</sup> Year SBRM Govt. PG College Nagaur, Rajasthan.
- ❖ Inspire project entitled as “Bio-gas from Anaerobic Digestion” was co-guided for Mr. Vivek Ramawat of B.Sc. 1<sup>st</sup> Year (CBZ) SBRM Govt. PG College Nagaur, Rajasthan IVR No. 20170004266 IVR No. (201900037346).
- ❖ Inspire project entitled as “Avoid Junk Food and Adhere to Healthy Diet” was co-guided for Vanshika Panwar of B.Sc. 1<sup>st</sup> Year (CBZ) SBRM Govt. PG College Nagaur, Rajasthan.