

Faculty Profile

Name : Dr. Rekha Tipathi
 Designation : Associate Professor
 Qualifications : Ph.D(UOR, Jaipur), M.Sc. (UOR, Jaipur)
 Phone : 9958735457
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Area of Interest/Specialization: Applied Chemistry, Environmental Science, Pharmacology,

Phytochemistry.

Experience : 25+ years

Publications : 22 Research papers in Journals, 2 Patents, 3 Books, 2 Conference papers

Educational Qualification

S No.	Degree/Diploma/Certificate or other specialized education obtained	College and/ or University	Year	Percentage	Division
1.	Ph.D.	University of Rajasthan, Jaipur	Awarded in Jan. 1996		
2.	M. Sc.	University of Rajasthan, Jaipur	1991	70%	First
3.	B. Sc.	Mohanlal Sukhadia University, Udaipur	1989	71%	First
4.	Higher Secondary	Rajasthan Board, Ajmer	1986	75.75%	First
5.	Secondary	Rajasthan Board, Ajmer	1985	71%	First
6.	Diploma in Gem Identification	Gem Testing Laboratory	1998	Best Student Award for the year 1998	

Employment Record

S No.	From [Month &Year]	To [Month &Year]	Employer Name	Positions Held	No of Years
1.	June 2017	Till date	MSIT	Associate Professor	7+years
2.	Sept. 2009	May 2017	MSIT	Assistant Professor	8 years
3.	Sept. 2007	April 2008	AIET, Jaipur	Lecturer	8 months
4.	1996 1998	1997 2007	Kanoria Mahila Mahavidyalaya, Jaipur	Temporary Lecturer	10 years
5.	1995	1996	Maharani's College, Jaipur	Temporary Lecturer	1 year
6.	1999	2000	GTL, Jaipur	guest faculty for Diploma Courses	1 year

Key Publications

1. R. Tripathi, An Overview of Pharmacological Studies of *Mimosa hamata* (willd.)-A Medicinal Plant. *Heterocyclic Letters*, 13(4), 2023, 803-810. **(E-SCI journal)**
2. R. Tripathi, Seasonal Variation in Ground Water Quality of Baswa Tehsil, Dausa District, Rajasthan: A Statistical Approach. *Environment & Ecology*, 42(1A), 2023, 326-331. **(Zoological Records)**
3. R. Tripathi & A. Sharma, "Phytochemical and Antimicrobial Analysis of Root Extract of *Asparagus adscendens*." *Oriental J. of Chemistry*, 38(5), 2022, 1119-1123. **(E-SCI journal)**
4. R. Tripathi, Antimicrobial Studies of Different Extracts of *Holoptelia Integrifolia* (ROXB.) Leaves." *AJPCR (Asian J Pharm Clin Res)*, 13(10)2020, 191-193.
5. R. Tripathi, "ANTIMICROBIAL INVESTIGATION OF SOME ARID ZONE PLANTS OF RAJASTHAN. *International Journal of Pharmaceutical Sciences and Research*, 8(11) 2017, 4848-4851. **(E-SCI journal)**
6. R. Tripathi "Comparative pharmacological study of Aerial parts and roots of ethanolic extract of *Hibiscus micranthus* Linn" *Journal of Medical Pharmaceutical and Allied Sciences (JMPAS)*, 6(1), 2017, 581. **(Scopus journal)**
7. R. Jain, S. Alam, R. Arora and S.C. Jain, "Phytochemistry and Bioactivity of *Kirganelia reticulata*", *Journal of Medicinal and Aromatic Plant Sciences*, 20(1998) 740. **(Scopus journal)**
8. R. Jain and R. Arora, "Phytochemical and Pharmacological Investigation of *Heliotropium ellipticum* Ledeb." *J. Indian Chem. Soc.*, 74 (1997) 430. **(SCI journal)**
9. R. Jain, R. Arora and S.C. Jain, "Chemical Constituents and Bioactivity Studies of *Hibiscus micranthus* Linn." *Indian J. Pharmaceutical Sciences*. (1997) 91. **(SCI journal)**
10. R. Jain and R. Arora, "Saponin from the roots of *Mimosa hamata* Willd.", *Indian J. Chem.* 36B(1997) 61. **(SCI journal)**
11. R. Jain and R. Arora, S. Alam and S.C. Jain, "Pharmacological Evaluation of Roots of *Mimosahamata*", *Fitoterapia*, 68 (1997) 377. **(SCI journal)**
12. R. Jain and R. Arora, "3-O-L Arabinosyl-D-glucosyl morolic acid from *Mimosa hamata* Willd." *Journal of Medicinal and Aromatic Plant Sciences*, 19 (1997) 22. **(Scopus journal)**
13. R. Jain, S.C. Jain and R. Arora, "A new cholestane derivative of *Abutilon bidentatum* Hochst and its activity." *Die pharmazie*, 51 (1996) 253. **(SCI journal)**

Papers presented in Conferences

1. Paper presented in **Indian Science Congress** in 1993 held at Jaipur.
2. Paper presented in conference of **Indian Chemical Society** in 1995 held at Jaipur.

Awards

1. Research Excellence Award 2023
2. Research Excellence Award 2022.

3. Best student award in Gem Identification for the year in 1998.

Patent

1. Artificial Intelligence, Big Data, Internet of Things and Blockchain Techniques and Applications in Smart Energy Management. Dr. Archana Balyan ,Dr Tripti Sharma,Dr. Rekha Tripathi, Dr. Meena Rao, Dr. Bharti Sharma, Dr. Richa Gupta, 202311087301, published on 19-01-2024, INDIA.
2. Method for Authenticating and Validating Quick Response Code, Dr. Robin Singh Bhadoria, Dr Tripti Sharma, Mr. Akshat Goyal, Dr.Rinky Dwivedi, Dr. Koyel Datta Gupta, Dr. Rekha Tripathi, Dr. Archana Balyan, Dr. Meena Rao, 202121010704 A, Published on 9-4-2021, INDIA.

Books published

1. ENERGY AND ENVIRONMENT, Photon eBooks, International,ISBN No./UBN No.- 015-A94510112043
2. AIR POLLUTION BY LEAD SMELTER &IT'S CONTROL , LAMBERT Academic Publishing, International ,ISBN No./UBN No. - 978-3-659-97819-7
- 3.ENVIRONMENTAL CHEMISTRY, JAYA Publishing House, New Delhi. ISBN No./UBN No.-978-9387590-80-9

Memberships of Professional bodies

1. Life time member of INDIAN SCIENCE CONGRESS. Member , ID – L 16817

Important FDP/ Courses

- **8 weeks** MOOC course on Introduction to Polymer Science by NPTEL in July-Sep. 2023.
- **1 week AICTE-ISTE** approved refresher course on **Skill Development for Entrepreneurs** from 27-12-21 to 1-1-22
- **1 week AICTE-ISTE** approved refresher course on **Use of ICT in Engineering Education** from 7-04-21 to 13-04-21
- **4 weeks Orientation program** sponsored by **UGC** from 8th June 2005 to 5th July 2005.

Other Contributions

- **Review** many research articles for **Oriental Journal of Chemistry (E-SCI Journal)**
- **Head of the Department** from Sept. 2023
- **Head of the Department** from Aug.2013 to Nov. 2020.
- **Convener** of Annual day 2023 & Annual day 2024.
- **Convener** of Student Insurance & Institute building / Lift Committee from Sept. 2021
- **Convener** GGSIPU Academic Audit in 2019-2020 & 2020-2021
- **Member** internal complaint committee since 2017

- **Member** Discipline / anti ragging committee from 2017-2019
- **Convener** Library committee from 2017-2019
- **Co-convener** Discipline / anti ragging committee 2016-2017
- **Co-convener** exam cell 2016-2017
- **Member** Sexual harassment cell 2016-2017
- Core committee member International Conference organized in MSIT **ICAIA 2020**.
- Core committee member Conference organized in MSIT **AdMet-2021**.