



CURRICULUM VITAE

Dr. Taruna Sethi

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EDUCATIONAL QUALIFICATION

S.NO	NAME OF THE DEGREE
1	M. Sc. Chemistry
2	CSIR UGC NET Chemical Sciences
3	Ph.D. from M. D. S. University, Ajmer. Topic- Studies on Nitrogen Containing Ligands as Potential Corrosion Inhibitors and Effect of Additives upon Corrosion Inhibition Activity

TEACHING EXPERIENCE: **U.G:** 16 Years 7 Months **P.G:** 4 Years

CURRENT STATUS / POSITIONS / RESPONSIBILITIES HELD:

S.No.	CONTRIBUTION IN COLLEGE ACTIVITIES / COMMITTEES/ACADEMIA
1	Associate professor & Head, Department of Chemistry, Sophia Girls' College (Autonomous), Ajmer
2	Member, Board of Management
3	Member, Academic Council
4	Convenor, Board Of Studies (BOS)
5	Coordinator, Grievance Redressal Cell
6	Coordinator, Bioscope- The Movie Club
7	Coordinator, EduHigh-The Higher Education Cell
8	Member, Discipline Committee
9	Member, Timetable Committee
10	Member, Anti Sexual Harassment Cell
11	Member, Admission Committee
12	Member, Research Committee
13	Member, Association of Chemistry Teachers, Mumbai
14	Member, "Catalyst" The Chemistry Forum
15	Member of Organizing team of Skill Enhancement Course on Soft Skills organized by the Department of Chemistry
16	Group Teacher – B.Sc. Part I, M.Sc. Previous and Final (Mentor Mentee Program)

RESEARCH EXPERIENCE: 9 Years

RESEARCH PUBLICATIONS

S.No.	Year	Title of the Paper/Chapter/Book	National/ International	Name of the Journal/Book/ Peer Reviewed Journal / Non- Peer Reviewed Journal /E- Journal
1	2022	A Study of the Effect of Storage on Ascorbic Acid (Vitamin C) Content of Phyllanthus emblica at Sophia Girls' College (Autonomous), Ajmer	International	Strad Research (Peer Reviewed, E-Journal), Vol 9, Issue 2, February 2022, ISSN: 0039-2049
2	2021	A Comparative Study of Ambient Air Quality of an Industrial and a Commercial Area of Jaipur Using Air Quality Index	International	Journal of Emerging Technology and Innovative Research (Peer Reviewed), Vol 8, Issue 6, June 2021. ISSN: 2349-5162
3	2020	A Study of effect of restrictions imposed due to COVID-19 on Ambient air quality of Ajmer, Rajasthan, India	National	Journal of Advanced Scientific Research (Peer Reviewed, E- Journal), Vol 11, Issue 3, June 2020, ISSN: 0976-9595
4	2020	A study of ambient air quality of Ajmer city, Rajasthan, India	International	Journal of Emerging Technologies and Innovative Research(Peer Reviewed) Vol 7, Issue 3, March 2020. ISSN: 2349-5162
5	2019	Corrosion inhibition of Aluminium byschiff base in HNO ₃ with and without additive KNO ₃	International	International Journal for Research in Applied Science and Engineering Technology (Peer Reviewed) Vol 7, Issue 6, June 2019. ISSN: 2321-9653
6	2019	Antibacterial activity and corrosion inhibitory effects of some schiff's bases on mild steel in HNO ₃ with and without additive KNO ₃	International	Journal of Emerging Technologies and Innovative Research (Peer Reviewed) Vol 6, Issue 1, Jan 2019. ISSN: 2349-5162
7	2009	Synergistic inhibition between Schiff's bases and sulphate ion on corrosion of aluminium in sulphuric acid	International	Protection of Metals Vol 45, Issue 4, 2009. ISSN: 2070-2051
8	2008	Inhibition effect of nitrogen containing ligands on corrosion	International	Polish J. Chem. Vol 82, 2008.

		of aluminium in acid media with and without KCl		
9	2007	Corrosion Inhibitory effects of some Schiff's Bases on mild steel in acid media	International	J. Chil. Chem. Soc. Vol 52, Issue 3, 2007.

SEMINARS/ CONFERENCES/ WORKSHOPS – ORGANISED

S.NO.	YEAR	TITLE	NATIONAL/ INTERNATIONAL
1	2021	Spectroscopic Techniques – A Tool for Structure Elucidation	National Webinar (Convenor)
2	2019	Instrumentation Techniques for Research in Chemical Sciences	National Workshop (Convenor)
3	2018	Advances in Science and Technology – an Interdisciplinary Approach	National Conference (Convenor)

SEMINARS/ CONFERENCES/ WORKSHOPS – ORGANISED /PRESENTED/ ATTENDED

S.NO	YEAR	TITLE	NATIONAL/ INTERNATIONAL
1	2022	Water quality, Biodiversity, Global Environmental Issues and Solutions	National Conference
2	2022	Empowering Diversity in Science (GWB-2022)	International Webinar
3	2022	Chemistry Education (IWCE-2021)	International Webinar
4	2022	Green Chemistry for Sustainable Future	National Webinar
5	2021	International Workshop on Research Insights in scientific Writing and Publication	International Workshop
6	2021	International E- talk series on Nanotechnology	International Webinar
7	2021	International E- Conference on “Sustainable and Futuristic Materials (SFM- 2021)”	International
8	2021	International Webinar on UHPLC Column : Challenges and Solutions	International Webinar
9	2021	International Webinar Synthia Retrosynthesis software for practicing chemists	International Webinar
10	2021	International Webinar on Separation Science – Columns, A Wonderful Tool	International Webinar
11	2021	International Webinar on insights for	International Webinar

		Optimizing Gas Chromatography Methods	
12	2021	International E- talk series on Nanotechnology	International Webinar
13	2021	International Webinar on “Proper Method Scaling to achieve your UHPLC and HPLC Goals”	International Webinar
14	2021	International Webinar on “ Advance Column Technologies to Facilitate HPLC/ UPLC/ LC-MS Analysis”	National Webinar
15	2021	Webinar on “ Challenges and Opportunities for Environmental Sustainability in World’s Fastest Growing Regions”	International Webinar
16	2021	National Webinar on “Nuclear power for Sustainable development”	National Webinar
17	2021	International Webinar on “ Modern Chlorination Chemistry” organized by Scientific Update	International Webinar
18	2021	International Webinar on Overview of USP and Ph.Eur. Allowable Adjustments for HPLC Monograph Methods	International Webinar
19	2021	Emerging Trends in Catalysis for Sustainable Chemical Processes (ETCSCP-2021)	Online International Conference
20	2021	International Webinar on Size Exclusion Chromatography	International Webinar
21	2021	International Webinar on Sample Preparation options available for HPLC analysis in Pharmaceutical Industry	International Webinar
22	2021	Nanomedicine and Therapeutic Materials Virtual Symposium	International Symposium
23	2021	International conference on Innovative Trends in Natural and Applied Sciences	International conference
24	2021	International Webinar on “HPLC Column Care and Extending Column Lifetimes”	International Webinar
25	2021	International Webinar on “ Strategies, Tips and Tricks for Simplified Chiral Method Development”	International Webinar
26	2021	International E- talk series on Nanotechnology	International Webinar
27	2021	International E- talk series on Nanotechnology	International Webinar
28	2021	International Webinar on “ Exploring the Properties of Materials at Nanoscale”	International Webinar
29	2021	National Webinar on “Role of Science and technology in Sustainable Development”	National Webinar
30	2021	International E- talk series on Nanotechnology	International
31	2021	International Webinar on “ Modern Nitration Chemistry” organized by Scientific Update	International Webinar

32	2021	One Day Online National Workshop on “ICT Tools for Chemistry Teachers”	National Workshop
33	2021	Workshop on “Know Your Molecules Through Sophisticated instrumentation Techniques”	National Workshop
34	2021	International Webinar on “Water, Energy and the Environment: Challenges and Solutions (WEE – 2021)”	International Webinar
35	2020	International Webinar on " Chemistry Solutions to Climate Change : Building Better Future"	International Webinar
36	2020	National Webinar on “Is the Pandemic Lockdown a Green Moment for Biodiversity”	National Webinar
37	2020	Novel Techniques and Advancements in Chemical and Physical Sciences	National Webinar
38	2020	Role of Science and Technology for Developing Self- Dependent India	International Webinar
39	2020	Chemistry as a Profession: Career Prospective	National Webinar
40	2020	The New Normal In Education	National Webinar
41	2020	e- Content Development Methodology: Four Quadrant Model, OERs and Copyright issues	National Webinar
42	2020	National Workshop on Revised Assessment and Accreditation Framework for Higher Education Institutions in India	National
43	2020	National Conference on Scientific World around you and in Cosmos	National
44	2019	International Year of Periodic Table IYPT- 2019 ‘Know Your Elements’	National (Invited Speaker)
45	2019	National Seminar on e-Learning and MOOCs in Higher education	National
46	2018	International Workshop and Symposium on Green chemistry and sustainable technology	International
47	2018	National Conference on Recent Advances at Interfaces of Physical and Life Sciences	National
48	2018	National Conference on Emerging trends in the Banking sector with special reference to the present Indian scenario	National
49	2018	Workshop on Research Methodology and Data Analysis using Data Mining Tools	National
50	2017	National Workshop on Instrumentation Techniques for Research in Chemical Sciences	National
51	2017	International Conference on frontiers at the chemistry- allied science interface	International
52	2016	National Conference on Green chemistry and sustainable technology for society	National
53	2016	National seminar on Teaching terminology in science organized by HRD ministry	National
54	2015	National seminar on Adaptability of Ecofriendly Chemistry for Engineers	National

55	2014	National seminar on Teaching terminology in science organized by HRD ministry	National
56	2013	National Seminar on Empowering Women in the changing scenario organized	National
57	2013	UGC sponsored National seminar on Innovative teaching methodology for 2D NMR spectroscopy	National
58	2013	Workshop on research methodology and design	National
59	2012	National seminar on Chemistry of Primates: green chemistry	National
60	2008	National Workshop on Promoting Excellence in Research	National
61	2007	International Conference on Emerging Trends in Chemical Sciences	International
62	2006	National Symposium in chemistry on Modern Trends in Chemical Sciences	National

REFRESHER COURSE/ SHORT TERM COURSE/ FACULTY DEVELOPMENT PROGRAMMES/ ORIENTATION COURSES–ATTENDED

S.NO.	YEAR	TITLE
1	2021	Induction/ orientation Programme for “ Faculty in Universities/ colleges/ institutes of Higher Education”
2	2020	Seven Day Faculty Development Programme on Institutional Benchmarking of Best Practices
3	2020	Faculty Development Programme on Writing Interdisciplinary Research project
4	2019	Short Term Course on Material Science and Engineering
5	2019	Faculty Development Programme on Life Skills Education
6	2018	Refresher Course in Chemical and Physical Science
7	2018	Faculty Development Programme on Perspective of Effective Teaching