




Gargi College (University of Delhi)

Curriculum vitae of **Dr. Tanu Shree**, Ph.D.

Title	Dr.	First Name	Tanu	Last Name	Shree
Designation		Assistant Professor			
Address for correspondence		Department of Chemistry, Gargi College, University of Delhi, Siri Fort Road, New Delhi 110049, India			
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Email		tanu.shree@gargi.du.ac.in			
Website		https://www.gargicollge.in/academics/departments/Chemistry/faculty			
Educational Qualifications					
Degree		Institution			Year
Ph.D. in Chemistry		Banasthali Vidyapith, Rajasthan, India			2023
M.Sc. Chemistry		Delhi University, Delhi			2009
B.Sc. Physical Sciences		Delhi University, Delhi			2007
Career Profile					
Designation		Institution			Duration
Assistant Professor		Gargi College, New Delhi			October 2023 - till date
Assistant Professor		Kirori Mal College, Delhi			August 2023 – October 2023
Assistant Professor		Ramjas College, Delhi			January 2014 - July 2023
Assistant Professor		Kalindi College, Delhi			July 2011 - January 2014
Assistant Professor		Deshbandhu College, Delhi			February 2011 - July 2011
Administrative Assignments					
<ul style="list-style-type: none">Served as internal and external examiner at various colleges of Delhi University and research institutions in Delhi-NCR.					

Areas of Interest / Specialization	
Specialization	Physical Chemistry
Areas of Interest	Photochemistry, Physical Chemistry and Chemoinformatics
Other Skills	Basic of Computer & IT tools and Bioinformatics
Subjects Taught	

<ul style="list-style-type: none"> Physical Chemistry Green Chemistry Basic IT Tools 			
Awards and Honors			
<ul style="list-style-type: none"> Qualified NET-JRF June 2010 (All India rank 497) 			
Students Projects/Trainees			
<ol style="list-style-type: none"> Shikha Yadav, B.Sc. (H) Chemistry from K. R. Mangalam University, India. Title: In Silico Designing of Plant-Based Antifungal Peptides (July – August 2024). Priyanka Verma, B.Sc. (H) Chemistry from K. R. Mangalam University, India. Title: In Silico Designing of Plant-Based Anticancer Peptides (July – August 2024). Shweta Yadav, M.Sc. (Bioinformatics) from the University of Allahabad, Prayagraj, India. Title: In Silico Discovery of Novel Antimicrobial Peptides Using QSAR-Based Machine Learning and Virtual Screening (January – May 2025). Unnati Srivastava, M.Sc. (Bioinformatics) from the University of Allahabad, Prayagraj, India. Title: In Silico Machine Learning Based Functional Classification of Antimicrobial Peptides with a Web-Based Prediction Tool (January – May 2025). 			
Publications			
<ol style="list-style-type: none"> Tanu Shree, Rajendra, Mahesh Chandra. Photochemical Study of Rhodamine B-EDTA and Tween-80 System for Solar Energy Conversion and Storage in Electrical Energy, Compliance Engineering Journal, 2022, 13, 11, 78-90. Tanu Shree, Rajendra, Mahesh Chandra. Photochemical Study of Safranin-Oxalic Acid and Tween-80 System for Solar Energy Conversion and Storage in Electrical Energy, Advanced Engineering Science, 2022, 54, 2, 5489-5498. Mahesh Chandra, Tanu Shree, Rajendra. Case Study of Renewable Energy: Solar Energy, The Journal of Oriental Research Madras, 2021, XCII-I, 158-163. Tanu Shree, Mahesh Chandra, Rajendra. Renewable Energy: World's Most Required Technique for Electricity, Turkish Online Journal of Qualitative Inquiry, 2021, 12, 9, 5664-5676. Mahesh Chandra and Tanu Shree. Role of Solar Cell for Conventional Energy Conversion in Electrical Energy, European Journal of Molecular and Clinical Medicine, 2021, 8, 1, 1971-1977. Mahesh Chandra and Tanu Shree. Recent Development of Solar Energy Conversion and Storage in Electrical Energy, Solid State Technology, 2019, 62, 3, 32-41. Mahesh Chandra and Tanu Shree. Chemistry -An-Eco-Friendly- Technology for “Solar Energy Conversion and Storage in Electrical Energy”, International Journal of New Innovations in Engineering and Technology, 2019, 12, 3, 76-82. Vandana and Tanu Shree. Schiff's Base and Its Transition Metal Complexes- A Review. Environment and Chemistry. In: Kumar S and Vandana (eds) 2015. (Book Chapter). 			
Invited talks			
Events Organized			
S. No.	Subject of Conference / Seminar/Symposium/Workshop	Organizing Institution	Duration

9.	One day National Seminar and Workshop titled- “Recent Trends in Computational Chemistry and Drug Designing” (As Convenor)	Department of Chemistry, Gargi College, and IIT-Delhi, New Delhi	February 07, 2025
8.	Workshop on "Big Data Analysis and Machine Learning (As an external advisory committee member)	National Institute of Plant Genome Research (NIPGR), Aruna Asaf Ali Marg, New Delhi	March 13-15, 2024
7.	Poster making competition (As convenor)	Department of Chemistry, Gargi College, New Delhi	February 27, 2024
6.	Gender and Development: 21 st Century perspectives	Ramjas College, Delhi	August 18, 2021
5.	Lab skills	Department of Chemistry, Ramjas College, Delhi	February 3-4, 2021
4.	Chemistry serving Mankind	Department of Chemistry, Ramjas College under the aegis of IQAC	February 26, 2022
3.	Advances in Chemical Sciences and Nanocomposites	Zakir Hussain Delhi College, DU under the aegis of IQAC and Indian Society of Analytical Scientists, ISAS funded by DRDO.	April 1-2, 2022
2.	Exploring Evan’s Chemdraw	Department of Chemistry, Ramjas College, Delhi	April 29, 2023
1.	Methodologies for the identification of Chemicals as Drug Targets	Department of Chemistry, under the aegis of IQAC, Ramjas college, Delhi	June 2, 2023
Events Participated/Presented			
S. No.	Conference / Seminar/ Symposium/ Workshop	Organizing Institution	Duration
10.	National Seminar “Mastering Research: Strategies and Tools for Enhancing Your Skills”	Research and Development Cell, Gargi College, University of Delhi	September 27, 2024
9.	National workshop on the “Role of Machine Learning in Genomics and Chemoinformatics”	National Institute of Plant Genome Research (NIPGR), New Delhi	February 13-14, 2025
8.	Clean & Green Energy: The Chemical & Environmental Aspects	Department of Chemistry, Bhaskaracharya College, Delhi (National)	September 26-27, 2019
7.	Modern approaches of Chemical Science and nanomaterials	Mody University, Lakshmangarh, Rajasthan (International)	August 26-27, 2019
6.	Rajasthan Science Congress	University college of Science, Mohanlal Sukhadia University, Rajasthan (National)	October 14-16, 2019
5.	Emerging trends and Future Challenges in Chemical Sciences	Kirorimal College, Delhi (National)	February 3- 4, 2016.
4.	National Seminar on Biophysics	Centre for Interdisciplinary Research in Basic Sciences (National)	October 4, 2019
3.	Materials Research and Technology	Aggarwal college, Ballabhgarh, Faridabad (International)	July 10-11, 2017

2.	Clean and Green energy: The Chemical & Environmental Aspects	Bhaskaracharya College of Applied Sciences, Delhi (National)	September 26-27, 2019
1.	National Seminar “Mastering Research: Strategies and Tools for Enhancing Your Skills”	Department of Chemistry, Gargi College, University of Delhi	September 27, 2024
Faculty Development Programme (FDP) attended			
S. No.	Details	Organizing Institution	Duration
12.	Visiting fellow (Online)	National Institute of Plant Genome Research (NIPGR), New Delhi	March 01, 2025, to May 31, 2025
11.	Visiting fellow (Online)	National Institute of Plant Genome Research (NIPGR), New Delhi	March 01, 2024, to May 31, 2024
10.	Ensembl Browser Workshop	European Bioinformatics Institute, UK	January 15-19, 2024
9.	Ensembl REST API Workshop	European Bioinformatics Institute, UK	January 22-26, 2024
8.	Refresher Course in Environmental Studies and Ecocentric Development (IDC) (Online)	Centre for Professional Development in Higher Education (CPDHE), Delhi University	August 27-September 09, 2024
7.	NEP 2020 Orientation & Sensitization Programme	Mahatma Hansraj Malaviya Mission Teacher Training Centre (MH-MMTTC), Hansraj College	January 15-28, 2024
6.	NEP2020: Pedagogical Imperatives of Higher Education	University of Delhi	December 01, 2023
5.	National Conference on NEP 2020	Gargi College, University of Delhi, New Delhi	November 3-4, 2023
4.	Online Induction Training/ Orientation Programme for Faculty in Universities/ Colleges/ Institutions of Higher Education	Ramanujan College, University of Delhi, New Delhi	November 21- December 20, 2023
3.	Developing Multimedia enriched Powerful Presentations	Ministry of Human Resource Development (MHRD), Government of India	August 11-16, 2020
2.	Chemistry - The Catalyst for Change	Ministry of Human Resource Development (MHRD), Government of India	July 14-28, 2021
1.	Chemical Sciences	Ministry of Human Resource Development (MHRD), Government of India	February 1-15, 2022
Other contributions (Committees/ Corporate work/ Social work/ Co-curricular activities)			

1. Convener: Rasgandhayan, Chemical Society at Gargi College, New Delhi (2024 - Till date)
2. Served as members in different committees of Gargi College, New Delhi (2024 - Till date)
3. Member of Garden Committee (Staff Council committee) of Ramjas College for session 2022-23.
4. Member of College Magazine Committee (Staff Council committee) in Ramjas College for session 2022-23.
5. Library Committee representative from Department of Chemistry, Ramjas College.
6. Working in the central NAAC committee of Ramjas College.
7. Member of Staff Council Sports Committee in the year 2023 at Ramjas College.

Declaration

I hereby declare that all the statements made above are correct to the best of my knowledge and belief.

Dr. Tanu Shree, Ph.D.