



Name Dr. Garima Pandey

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EDUCATION

Degree	Specialization	Institution	Year
PhD	Chemistry	CCS Univerity, 2008	2008
M. Sc.	Chemistry	Dr.RMLAvadh University Faizabad, 2000	2000
B.Sc.	Zoology, Botany, Chemistry	Dr.RMLAvadh University Faizabad, 1998	1998
B.Ed.	Science	Dr.RMLAvadh University Faizabad, 2001	1995

ACADEMIC EXPERIENCE:

- Associate Professor and Head, Department of Chemistry, SRMIST Delhi NCR Campus, January 2021- Till Date
- Assistant Professor, Department of Chemistry, SRMIST Delhi NCR Campus August2009–December 2021.
- Guest Lecturer, Department of Chemistry, IT College Lucknow, July 2008- June -2009.

RESEARCH EXPERIENCE:

- Co-PI in seed money grant from SRMIST, October 2023- Till Date
- Co-PI in seed money grant from SRMIST, December 2016-December 2017

Phd. SUPERVISION – 05

ADMINISTRATIVE EXPERIENCE:

- Head Class Mentors, SRMIST Delhi NCR Campus, January-2023- Till date
- Event Manager, SRMIST Delhi NCR Campus, July-2018- Till date
- Member of Women’s Grievance cell, July 2021 – till date
- Core Member, Ant ragging SRMIST Delhi NCR Campus August2010– Till date
- Member Proctorial Board, SRMIST Delhi NCR Campus July 2021-till Date

- SPOC and Institutional In charge of SRMLMS
- Lab In-Charge, Department of Chemistry, SRMIST Delhi NCR Campus August2014–July2023
- Faculty warden, Girls Hostel, July 2019 – June 2022.

SELECTED PUBLICATIONS (Articles/Reviews/Chapters)

- A review on the synthesis and application of naphthoquinone-based drugs, *Results in Chemistry*, 2023, 6, 101138
- A review on synthesis of FDA-approved antipsychotic drugs, *Tetrahedron*, 2023, 138, 133430
- Indium Metal-Mediated Reactions in Water: Diverse Synthesis of Important Organic Compounds, *Current Organocatalysis*, 2023, 10(2), pp. 74–80.
- Potentials and frontiers of nanotechnology for phytoremediation, *Phytoremediation: Management of Environmental Contaminants*, Volume 7, 2023, pp. 365–382
- Approaches, Challenges, and Prospects of Nanotechnology for Sustainable Agriculture, In: Fernandez-Luqueno, F., Patra, J.K. (eds) *Agricultural and Environmental Nanotechnology. Interdisciplinary Biotechnological Advances*. Springer
- Recent Development in the Production and Utilization of Plant Biomass-Based Nanomaterials, *Green Energy and Technology*, 2023, pp. 331–368
- Heterocyclic compounds containing thiazole ring as important material in medicinal chemistry, *Materials Today: Proceedings*, 2022, 69, pp. 478–481
- Accessing the environmental impact of tellurium metal, *Physical Sciences Reviews*, 2022
- Approaches, challenges, and prospects of life cycle assessment applied in nano bioremediation of contaminated sites, *Rasayan Journal of Chemistry*, 2022, 15(2), pp. 1108–1125
- Novel dithiocarbamate complexes of 2-Methyl-1, 1-Diiodo-1-Telluracyclopentane [C₄H₇(CH₃)TeI₂]: Synthesis, spectroscopic characterization, antibacterial assay and in silico molecular docking studies, *Research Journal of Chemistry and Environment*, 2021, 25(9), pp. 61–70,
- Synthesis, Characterisation and In-silico Studies of Novel Heterocyclic Organotellurium Dithiocarbamates, *Research Journal of Chemistry and Environment*, 25(5), 170-177, 2021
- PROSPECTS OF NANOTECHNOLOGY AS A TOOL TO MITIGATE COVID-19, *Rasayan Journal of Chemistry*, 14(2), 1297-1306, 2021
- Assessing the nanotechnology on the grounds of costs, benefits, and risks, *Beni-Suef University Journal of Basic and Applied Sciences*, 9(63)
- Biomass based bio-electro fuel cells based on carbon electrodes: an alternative source of renewable energy, *SN Applied Sciences*, 1, 408, 2019

- Block-chain application Based Economic impact of Coronavirus pandemic on Medicine industry inventory System for Deteriorating objects with two-warehouse and wastewater treatment using PSO. Mater Today Proc. 2021. doi: 10.1016/j.matpr.2021.06.307.
- Agri-Nanotechnology for Sustainable Agriculture, Ecological and Practical Applications for Sustainable Agriculture, 229-249, Springer, Singapore, 2020,
- Challenges and future prospects of agri-nanotechnology for sustainable agriculture in India”, Environmental Technology & Innovation, 299-307,11,2018
- Nantechnology for achieving green- economy through sustainable energy”, Rasayan Journal of Chemistry, June 2018.
- Prospects of Biologically Active Schiff's Base Ligand and Metal Complexes in Drug Discovery, Advanced Science, Engineering and Medicine, 11,144-154, 2019

PATENTS

Published

- A system for producing hydrogen by utilizing sunlight and method thereof (Application No. 202111043006) published on 22.09.2021
- Pyrolysis of Plastic Waste Into Fuels (Application No. 202011043038) published on 03.10.2020
- Improving the quality of healthcare by smart glass using cloud computing (Application No. 202011031451) published on 28.08.2020.

Granted

- The effectiveness of internet advertising on consumer buying behavior towards mobile phones (Patent No. 2021102370) published on 05.05.2021 (granted)

CONFERENCE

- Prevention technique for automobile exhaust emission, in 5th International Conference on Recent Advances on Material Chemistry , 2021
- Synthesis, IR, UV Studies of Schiff's Base Ligand Diacetato-bis-(p-methoxy phenyl carbonyl azomethine benzene sulphanilamide and p-methoxy phenyl carbonyl azomethinethiocarbamide complexes of Fe(III) and Cr(III) Complexes, 151, in 3rd international conference on recent advances In material chemistry (icramc-2019)
- Synthesis and spectral studies of co and ni complexes of diacetato-bis-(p-methoxy phenyl carbonyl azomethine benzene sulphanilamide, 03, in Royal Society of Chemistry India West Chapter Symposium and Research Scholar Meet – 2019
- Synthesis, Characteriation And Spectral Studies Of Schiff's Base Benzene Sulphanilamide Complexes Of Co and Ni (शिफ के बेस बेंजीन सल्फैलामाइड कॉम्प्लेक्स के Co और Ni के संश्लेषण,

वर्णक्रम और वर्ण क्रमीय अध्ययन) in विज्ञान एवं प्रौद्योगिकी में निदर्शन, इष्टमी करण एवं अभिकलन में तकनीकी शब्दावली का अनुप्रयोग”(“Applications of Technical Terminology in Modeling, Optimization and Computing in Science and Technology

- Large scale flexibility analysis of Protein peptide fragments: advanced approach to design potential antibacterial peptide, in Research day Seminar, 2019
- Analyzing the effect of a discussion-oriented chemistry teaching on first-year engineering students”, International Conference on Technology for Education, Training and Business (ICTETB, 2018),pp,2018
- Developing linguistic confidence and professional identity in engineering chemistry through collaborative learning”, 3rd International Conference on Emerging Trends in language, literature, and Culture, SRM IST Delhi-NCR Campus,23-Mar-2018,25-Mar-2018,
- Prospects of Nanobioremediation and Environmental cleanup”, 3rd International Conference on Global Trends in Pure and Applied Chemical Sciences, , 08-09Dec-2017
- Contribution of Digital Technology in Distance Learning in Digital India: Transforming India Through Education, p216-234
- Enquiry based learning in chemistry supported by E-learning ,an overview”, International Conference on Recent Trends in Computing 2013, , 4-5-Oct-2013,

CONFERENCES/ WORKSHOPS/SYMPOSIUM /SEMINARS/ FDP ORGANIZED:

- **Convener**- Two week “Induction Programme for newly recruited faculty members” from 3rd August to 13th August, 2022.
- **Coordinator** - Workshop on counseling, motivation and effective communication, 7th February 2023.
- **Coordinator** - National seminar on Astrology at SRM IST, Delhi NCR campus on 22nd February 2020.
- **Member** - 3rd International Conference on Micro-Electronics and Telecommunication Engineering (ICIMETE-2019) at SRM-IST, Delhi-NCR Campus held on 28-29th September 2019.
- **Member** - 5th International Conference on Intelligent Computing and Applications, at SRM-IST, Delhi-NCR, Campus held on 6-8th December 2019.
- **Member** - IEEE. Conf. of Department of Electronics and Communications – 2018
- **Member** - ICRTC - Dec 2018
- **Member** - Global Initiatives in Applied Sciences and Green Technology, September 2016

AWARDS and ACHIEVEMENTS

- Among Top 2% Most Cited Scientist list by Elsevier BV , 2022
- Recognized as Best Faculty 2022
- Chairperson of Technical Session in ETCS – 2023
- Awarded with University Gold Medal in UG and PG, by Dr. RML Avadh University, Faizabad
- Guest Speaker in IIC , Km Mayawati Girls PG College, GB Nagar, U.P.
- Delivered a guest lecture in Govt. PG College Kandhla, 2022
- Providing solution to student grievances.

SKILLS:

- Administration with coordinated team work
- Effective verbal and written communication
- Target based approach in problem solving
- Leadership and Decision making Qualities
- Student mentoring