


CURRICULUM VITAE

<p>Dr. Priyanka Saini Assistant Professor Department of Chemistry Harsh Vidya Mandir (PG) College Raisi Haridwar Uttarakhand Email: shivaay10feb@gmail.com, priyanka.21.sep@gmail.com Tel: +91 8076527231, 9917577433</p>	
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Academic Qualification

Ph.D.	2008-2011	Indian Institute of Technology (IIT), Roorkee, Uttarakhand
M.Sc.	2004-2006	KLDAV (PG) College, Roorkee, HNB Garhwal University Shrinagar, Uttarakhand
B.Sc.	2001-2004	KLDAV (PG) College, Roorkee, HNB Garhwal University Shrinagar, Uttarakhand

Title of Ph.D. Thesis: *Catalytic Activities of Vanadium, Manganese and Copper Complexes Immobilized in Zeolite-Y*

Induction Programme/Refresher course

Induction/ Orientation Programme	Apr 16-May 15 2021	4-Week Induction/Orientation Programme for “Faculty in Universities/Colleges/Institutes of Higher Education” Teaching Learning Centre, Ramanujan College University of Delhi under the aegis of MINISTRY OF EDUCATION PANDIT MADAN MOHAN MALAVIYA NATIONAL MISSION ON TEACHERS AND TEACHING
Refresher Course in “CHEMISTRY”	15-29 Dec 2023	Online two-week Refresher Course in Teaching Learning Centre Ramanujan College, University of Delhi

List of Papers

1. Pradeep Kumar, **Priyanka Saini**, Ruchi Sharma, Akanksha, Hari Om Sharma, Oxidative Stress Induction by Perchloric Acid and Its Impact on Protein Threonine Phosphatases in *Arachis hypogea* L. (2024). *International Journal of Environmental Sciences*, 1075-1083.
2. Mavi R, Chaudhary N, Ram T, Harit A, **Saini P**, Kumar A, Kumar P, Panwar H*., HYBRID HETEROCYCLIC ARCHITECTURES AS EMERGING ANTI-CANCER CANDIDATES. *European Journal of Clinical Pharmacy*. 2025;7(1):1248-1257

3. Manisha Singhal, **Priyanka Saini** and Hament Panwar*, ROLE OF CHEMISTRY IN WATERBORNE POLYURETHANE FILMS, Annals of Science and Allied Research Vol. 3 (2) December, 2025: 9-15

Book Published

“MOLECULAR PHYSICAL CHEMISTRY FOR ENGINEERING APPLICATIONS”

By Dr. Nidhi Chaudhry, **Dr. Priyanka Saini**, Dr. Tilak Ram Prajapati
ISBN-978-93-7129-499-7, Publisher: Scientific Books International

Patent Published

1. Intelligent Water Treatment Device For Advanced Contaminant Detection And Remediation, 19/01/2026
2. Device For Developing Nano Gel For Diabetic Neuropathy, 16/02/2026

Papers Presented in Conferences

1. **Priyanka Saini**, Green Chemistry by Heterogeneous catalysis, 2nd International online conference on “Emerging Trends In Chemical Science”, HVM (PG) College, Raisi, Haridwar, March 17-18, 2023.
2. **Priyanka Saini**, Recent advances in zeolite immobilized schiff-base catalysts for sustainable chemical transformations A review, “Recent Developments in Physical and Chemical Sciences”, Bhakt Darshan Govt. Post Graduate College Jaiharikhal (Pauri Garhwal) Uttarakhand, November 14-15, 2025.

Current Position

Working as an Assistant Professor at Harsh Vidya Mandir (P.G.) College, Raisi, Haridwar, since January 2020.

Employment History

- Aug 2016-Dec 2019, Assistant Professor, Raffles University, Neemrana, Alwar Rajasthan
- Oct 2015-May 2016, Lecturer, K.L.D.A.V.P.G. College Roorkee Haridwar Uttarakhand
- Aug 2014-Mar 2015, Assistant Professor, IFTM University Moradabad, UP
- Aug 2013-April 2014, Teaching Associate, DCRUST Murthal Sonapat, Haryana
- Aug 2012-Jun 2013, Assistant Professor, NIT Kurukshetra, Haryana
- Sep 2011-Mar 2012, Lecturer, K.L.D.A.V.P.G. College Roorkee Haridwar Uttarakhand

Expertise

Synthesis ability: Organic, Inorganic, Polymeric and Zeolite
Chromatographic techniques: GC, GC-MS, HPLC and Column Chromatography
Spectroscopic techniques : FTIR, UV-Vis Spectrophotometer,
Others: TGA, DTA, SEM, CHN Analyzer, Magnetic Susceptibility

Computer proficiency

Ability to use Internet Expert to use Internet, SciFinder Scholar
Working ability MS-Word, Power Point, Excel, Origin, Chem. office, Chem. draw and all basic knowledge

Awards / Fellowship

2007 Qualified Graduate Aptitude Test in Engineering (GATE)
Conducted by IITs for research program
2008-2009 Awarded Fellowship from CSIR Project for Ph.D. program
Indian Institute of Technology Roorkee

Research Guidance:

1. M.Sc. Dissertation entitled "Water Quality Assessment of Ground Water of Kota Muradnagar, District Haridwar" completed by Mr. Romi Saini under the guidance of Dr. Priyanka Saini in 2023.
2. M.Sc. Dissertation entitled "Water Quality Assessment of Ground Water of Town Jhabrera, District Haridwar, Uttarakhand" completed by Ms. Sonika under the guidance of Dr. Priyanka Saini in 2023.
3. M.Sc. Dissertation entitled "Water Quality Assessment of Ground Water of Tugalpur, District Haridwar" completed by Mr. Anjul under the guidance of Dr. Priyanka Saini in 2023.
4. B.Sc. Project Report entitled "A Review Study of Schiff Base Cu Complex and Its Characterization By UV-Vis and IR Spectroscopy" by Ms. Aasha under the guidance of Dr. Priyanka Saini in 2025.
5. B.Sc. Project Report entitled "A Review Study of Schiff Base Cu Complex and Its Characterization By UV-Vis and IR Spectroscopy" by Ms. Karishma under the guidance of Dr. Priyanka Saini in 2025.
6. B.Sc. Project Report entitled "A Review Study of Schiff Base Cu Complex and Its Characterization By UV-Vis and IR Spectroscopy" by Ms. Manu Sharma under the guidance of Dr. Priyanka Saini in 2025.

7. B.Sc. Project Report entitled "A Review Study of Schiff Base Cu Complex and Its Characterization By UV-Vis and IR Spectroscopy" by Ms. Sheetal under the guidance of Dr. Priyanka Saini in 2025.
8. B.Sc. Project Report entitled "A Review Study of Schiff Base Cu Complex and Its Characterization By UV-Vis and IR Spectroscopy" by Ms. Simran under the guidance of Dr. Priyanka Saini in 2025.
9. M.Sc. Project Report entitled "A Review Study of Synthesis of MOF For Organic Reactions" by Vanshika under the guidance of Dr. Priyanka Saini in 2026.
10. M.Sc. Project Report entitled "A Mini Review on Antitubercular Activity of 1,2,3 Triazoles and its Derivatives" by Khushi Dhiman under the guidance of Dr. Priyanka Saini in 2026.
11. M.Sc. Project Report entitled "Pesticides in Fruits and Vegetables and Removal of Pesticides From Fruits/Vegetables" by Manoj Kumar under the guidance of Dr. Priyanka Saini in 2026.
12. M.Sc. Project Report entitled "Determination of Citric Acid Concentration in Different Fruit Juices" by Anjali under the guidance of Dr. Priyanka Saini in 2026.
13. M.Sc. Project Report entitled "A Review Study of Green Synthesis of Carbon Dots/Copper Alginate Composite by Using Cow Dung" by Sakshi under the guidance of Dr. Priyanka Saini in 2026.
14. M.Sc. Project Report entitled "A Review Study of Synthesis and Characterisation of Chalcones" by Sakshi under the guidance of Dr. Priyanka Saini in 2026.

Research interest

Coordination / Organometallic Chemistry, Supramolecular Chemistry, Catalysis, Nanochemistry, Enantioselective oxidation, Epoxidation, Sulfoxidation etc.

Courses Taught

M.Sc.: Organic Chemistry, Organic Spectroscopy, Environmental Chemistry, Chemistry of Biological System (Bioorganic), Heterocyclic Compounds, Physical Chemistry, Chemistry of Natural Products

B.Sc.: Inorganic Chemistry, Coordination Chemistry, States of Matter & Chemical Kinetics,

Atomic Structure, Bonding, General Organic Chemistry & aliphatic Compounds, Organic Chemistry, Solutions, Phase equilibrium, Conductance, Electrochemistry & Functional Group Organic Chemistry-II, Physical Chemistry, Fundamentals of Chemistry-II, General Chemistry-I, II, Basic Analytical Chemistry

B.Tech.: Engineering Chemistry

Other Responsibilities

Session 2020-21 and Session 2021-2022

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| 1. Admission Committee | Member |
| 2. Prachar-Prasar Avam Media Committee | Member |

Session 2022-23 and Session 2023-24

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| 1. Admission Committee | Member |
| 2. Time-Table Committee | Member |
| 3. Library Committee | Member |
| 4. Aantaric Gunvatta Sanvardhan Prakosth/NAAC Moolyankan Committee | Member |
| 5. Vigyan avam Prodhogiki Inspire Club | Member |

Session 2024-25

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| 1. Time-Table Committee | Member |
| 2. Library Committee | Member |
| 3. Aantaric Gunvatta Sanvardhan Prakosth/NAAC Moolyankan Committee | Member |
| 4. Vigyan avam Prodhogiki Inspire Club | Member |

Session 2024-25

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| 1. Research and Publication Committee | Coordinator |
| 2. Innovation and Entrepreneurship Development Cell | Deputy-Coordinator |
| 3. Carrer Counselling and Placement Committee | Member |
| 4. Aantaric Gunvatta Sanvardhan Prakosth/NAAC Moolyankan Committee | Member |

Personal details

Date of birth	1 st July 1984
Gender	Female
Language	English, Hindi
Nationality	Indian

Permanent address

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Kalu Ram Quarters
Roorkee - 247667
Uttarakhand