


FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Dr.	First Name	PREETI	Last Name	YADAV	Photograph
Designation	Assistant Professor					
Department	Chemistry					
Address (Official)	Maitreyi College, Department of Chemistry, University of Delhi					
Phone No.	9873321388					
Email	preeti.yadav@maitreyi.du.ac.in sandesh4preeti@gmail.com					
Education						
Degree	Institution	Year	Details			
Ph.D. Chemistry	University of Delhi	2016	Benzopyranone and Quinolinone Derivatives & Dendritic Architectures: Study of Photophysical and Biological Applications			
M.Sc. Chemistry	Hindu College, University of Delhi	2010	Subjects: Organic Chemistry (Spl.) Percentage = 74.18 %			
B.Sc. (Hons) Chemistry	Acharya Narendra Dev College, University of Delhi	2008	Subjects: Chemistry (Hons.) Percentage = 81.01% (First Rank holder in college)			
Career Profile						
Organisation/Institution	Designation		Duration		Role	
Maitreyi College, University of Delhi	Assistant Professor		17 th January 2024 - Present		Teaching	
Kalindi College, University of Delhi	Assistant Professor (Ad-Hoc)		1 st Apr 2021 – 8 th January 2024		Teaching	
Zakir Husain Delhi College, University of Delhi	Assistant Professor (Ad-Hoc)		14 th Jan 2020 - 25 th Feb 2020		Teaching	
Miranda House College, University of Delhi	Assistant Professor (Ad-Hoc)		26 th Aug 2019 - 26 th Oct 2019		Teaching	
Hansraj College, University of Delhi	Assistant Professor (Ad-Hoc)		17 th Sep 2018 - 12 th Mar 2019		Teaching	
Department of Chemistry, University of Delhi	Assistant Professor (Ad-Hoc)		3 rd Aug 2017 - 28 th Apr 2018		Teaching	
Gargi College, University of Delhi	Assistant Professor (Ad-Hoc)		20 th Jul 2016 - 2 nd Aug 2017		Teaching	
Research Interests/Specialization						
Organic synthesis (polymer, dendritic architectures, and heterocyclic compounds), study of their photochemical and biological applications.						

Administrative Assignments / Contribution to corporate life

1. Appointed as an External Examiner for the Semester Practical Examination, December 2023 at Venkateswara College, University of Delhi.
2. Appointed as an External Examiner for the Semester Practical Examination, December 2023 at Hindu College, University of Delhi.
3. Appointed as an External Examiner for the Semester Practical Examination, December 2023 at lady Irwin College, University of Delhi.
4. Appointed as an Internal Examiner for the Semester Practical Examination, December 2023 at Kalindi College, University of Delhi.
5. Appointed as paper setter for semester examination in 2023.
6. Appointed as an External Examiner for the Semester Practical Examination, July 2023 at Venkateswara College, University of Delhi.
7. Appointed as an External Examiner for the Semester Practical Examination, July 2023 at Hindu College, University of Delhi.
8. Appointed as an Internal Examiner for the Semester Practical Examination, April 2023 at Kalindi College, University of Delhi.
9. Appointed as an External Examiner for the Semester Practical Examination, December 2022 at Shaheed Rajguru College of Applied Sciences for women, University of Delhi.
10. Appointed as an External Examiner for the Semester Practical Examination, April 2022 at Ramjas College, University of Delhi.
11. Appointed as paper setter for semester examination in 2021.
12. Appointed as an Internal Examiner for the Semester Practical Examination, November 2021 at Kalindi College, University of Delhi.
13. Appointed as an External Examiner for the Semester Practical Examination, November 2018 at Kirori Mal College, University of Delhi.
14. Appointed as an External Examiner for the Semester Practical Examination, November 2018 at Zakir Husain Delhi College, University of Delhi.
15. Appointed as an Internal Examiner for the Semester Practical Examination, May 2017 at Gargi College, University of Delhi.

16. Appointed as an Internal Examiner for the Semester Practical Examination, December 2016 at Gargi College, University of Delhi.

17. Actively participated and completed the duties assigned by the College and College Committees.

Teaching Experiences (Subject/Courses taught)

M.Sc. (F) Lab
 M.Sc. (P) Lab
 GE-1/ core Atomic Structure, Bonding, General Organic Chemistry & Aliphatic Hydrocarbons
 GE-6/ core Organometallics, Bioinorganic chemistry, Polynuclear hydrocarbons and UV, IR Spectroscopy
 GE-7 Molecules of life Lab
 DSE-Green Chemistry
 DSE-Basics and Hydrocarbons
 DSC-Biomolecules
 SEC-Green methods in chemistry
 CHE-DSC-01 Basic Concepts of Organic
 CHE-DSC-02 Chemical Bonding and Elements in Biological System

Research Guidance

NA

Publication (Peer Reviewed/Indexed Journals)

Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
2024	Advancement in the synthesis of metal complexes with special emphasis on Schiff base ligands and their important aspects https://doi.org/10.1016/j.rechem.2023.101222	<i>Results in Chemistry</i> 7 ISSN 2211-7156	P. Singh, P.Yadav , K.K.Sodh, A. Tomar, S.B. Mehta
2023	Triazole-based C3-symmetric multivalent dendritic architecture as Cu(II) ion sensor	<i>Indian Journal of Chemical Technology</i> 30 ISSN 0975-0991	P. Yadav , B. Parshad, Krishna, A. Sharma, R. Kakkar & S. K. Sharma
2023	Hybrid antimalarial drugs myth or fact : an overview	<i>Heterocyclic Letters</i> 13 ISSN 2231-3087	P. Singh, A. Tomar, R. Mavi, P.Yadav , S.B. Mehta
2019	Dendrimer-based micelles as cyto-compatible	<i>New J. Chem.</i> 43	B. Parshad, Y.

	nanocarriers	ISSN 1144-0546 (print); 1369-9261 (web)	Kerkhoff, A. Mittal, K. Achazi, R. Haag, S. K. Sharma
2017	Synthesis and antibacterial activity screening of quaternary ammonium derivatives of triazolyl pyranochromenones	<i>J. Chem. Sci.</i> 119 ISSN 0973-7103	B. Kumar, H. K. Gautam, S. K. Sharma
2017	Synthesis and antibacterial activity screening of <i>N</i> - & <i>O</i> - substituted quinolin-2-one acetamide derivatives	<i>Indian J. Chem. Sec. B</i> 56B ISSN 0975-0983	K. Chand, S. Prasad, S. K. Sharma
2016	Synthesis and characterization of new <i>N</i> -alkylated pyridin-2(1 <i>H</i>)-ones	<i>Indian J. Chem. Sec. B</i> 55B ISSN 0975-0983	A. Kumar, K. Chand, S. K. Sharma
2016	Synthesis and SAR Study of Antioxidant Potential of Polyhydroxy Coumarin Derivatives	<i>Med. Chem.</i> 6 ISSN 2161-0444	B. Parshad, A. J. Duraisamy, S. Saini, P. Vats, S. K. Sharma
2015	Synthesis and sensing applications of fluorescent 3-cinnamoyl coumarins	<i>Sensors</i> 15 ISSN 1424-8220	H. S. Gill, K. Chand, L. Li, J. Kumar, S. K. Sharma
2014	Chromones and their Derivatives as Radical Scavengers: A Remedy for Cell Impairment	<i>Curr. Top. Med. Chem.</i> 14 ISSN 1873-5294	B. Parshad, P. Manchanda, S. K. Sharma
2014	Synthesis of two-photon active cinnamoyl coumarins for high-contrast imaging of cancer cells and their photophysical characterization	<i>J. Photochem. Photobiol. A: Chemistry</i> 280 ISSN 1010-6030	S. Satapathi, M. Kumari, A. Chaturvedi, L. Li, L. A. Samuelson, J. Kumar, S. K. Sharma
2013	Synthesis and antiproliferative and c-Src kinase inhibitory activities of cinnamoyl- and pyranochromen-2-one derivatives	<i>Can. J. Chem.</i> 91 ISSN 0008-4042	K. Chand, A. N. Shirazi, R. K. Tiwari, K. Parang, S. K. Sharma
Book Chapter			
2024	Hybrid organometallic compounds as potent antimalarial agents (Chapter 12)	<i>Recent Advances in Organometallic Chemistry (Book Title)</i> <i>Elsevier Publisher eBook</i> ISBN: 9780323907194	P. Singh, P. Yadav, B. Parshad, D. Yadav, M. Kumar

Seminar/Workshop/Conferences Presentation/Organisation

1. International conference on “*Integrative Chemistry, Biology & Translational Medicine (ICBTM-2019)*” held on **25th-26th February 2019**, organised by Hansraj College, University of Delhi, and Loyala University, USA, at University of Delhi, Delhi, India.
2. International seminar on “*Effects of Pollution on Human Health*” held on **1st December 2017**, at Department of Chemistry, University of Delhi, Delhi, India.
3. National conference on “*Combating Industrial Pollution for Sustainable Environment- A fusion of Industrial and Scientific Efforts (CIPSE-2016)*” on **22nd-23rd September 2016**, held at Gargi College, University of Delhi, Delhi. **Oral Presentation:** “Synthesis and sensing applications of coumarin derivatives”.
4. DU-JAIST Indo-Japan Symposium on “*Chemistry of Functional Molecules/Materials*” held on **26th-27th February 2016**, at Department of Chemistry, University of Delhi, Delhi, India. **Poster Presentation:** “Synthesis and sensing applications of coumarin derivatives”.
5. 2nd Indo-German Workshop on “*Supramolecular Chemistry*” held on **30th March, 2015**, Department of Chemistry, University of Delhi, India. **Poster Presentation:** “Synthesis of Multivalence Dendritic Architectures using Divergent Approach and their Metal-sensing application”.
6. 20th ISCB International Conference (ISCBC-2014) on “*Chemistry and Medicinal Plants in Translational Medicine for Healthcare*” held on **1st-4th March 2014**, Department of Chemistry, University of Delhi, India. **Poster Presentation:** “Synthesis TPA coumarin derivatives”.
7. International Conference on “*Harnessing Natural Resources for Sustainable Development: Global Trends*” held on **29th-31th January 2014**, Cotton College, Guwahati, India. **Poster Presentation:** “Synthesis triazole based dendritic architectures”.
8. International Conference on “*Challenges in Chemistry and Biology of Carbohydrates, CARBO-XXVIII*” held on **20th-22nd January 2014**, Dehradun, India.
9. 19th ISCB International Conference (ISCBC-2013) on “*Recent Advances and Current Trends in Chemical and Biological Sciences*” held on **2nd-5th March 2013**, jointly organised by Indian Society of Chemists & Biologists, Lucknow, India and Department Of Chemistry, Mohanlal Sukhadia University, Udaipur (Rajasthan) India. **Poster Presentation:** “Synthesis of 6- & 8-Cinnamoyl coumarin derivatives and study of its antiproliferative and *c*-Src Kinase activity”.
10. Lecture Workshop / Conference on “*Emerging Trends in Development of Drugs and Devices*” held on **21st-23rd January 2013**, jointly organise by the Department of Chemistry, University of Delhi and three science academies of India. **Poster Presentation:** “Synthesis of 6- & 8-Cinnamoyl coumarin derivatives for high contrast imaging of cancer cells”.
11. One day Indo-German Workshop on “*New Perspectives for Nano-Carriers in Biomedical Applications*” **14th January 2013**, Department of chemistry, University of Delhi, Delhi, India.
12. National Seminar on “*Chemistry, Environment and You Challenges for Future*” on **26th-27th September 2007**, held at Gargi College, University of Delhi, Delhi.
13. Participated in the webinar on *Tools & Techniques for Avoiding Plagiarism in E-Content Development* Organized by: E- Content Development Committee, Kalindi College, University of Delhi on **9th November 2021**.
14. Participated in the webinar on *E-Content Development using Basic Tools* Organized by : E-

Content Development Committee, Kalindi College, University of Delhi on **27th September, 2021.**

15. Participated in Webinar on ‘Importance of Computational Approaches in Understanding Reaction Mechanisms’ organized by Department of Chemistry, Kalindi College, University of Delhi in celebration of Azadi ka Amrit Mohotsav on **25th September 2021.**
16. Participated in Webinar on ‘Interactive Session with ACS’ organized by Department of Chemistry, Kalindi College, University of Delhi on **24th September 2021.**
17. Participated in Colloquium: International lecture series organized by Kirori Mal College, University of Delhi on **17th September 2021.**
18. Participated in the Capacity Building Workshop on Rights conducted by WDC in collaboration with DCPCR on **16th November 2021.**
19. Participated in national webinar on “Fight Against Tobacco” organized by anti-Tobacco committee in collaboration with IQAC, Kalindi College, University of Delhi on **16th October, 2021.**
20. Participated in the webinar on “Immunity Boosting Herbs to Combat COVID 19” organized by Department of Botany, Kalindi College, University of Delhi under aegis of IQAC, on **1st October, 2021.**
21. Participated in two days International E-Conference on “ Revisiting Gandhian Perspectives on development’ organized by Gandhi Study Circle, Kalindi College, University of Delhi and ICCR, New Delhi, on **3rd-4th September, 2021.**

Awards & Distinctions

Appreciation certificate received by University of Delhi for timely evaluation of answer scripts in year 2021 and 2022.

Qualified CSIR JRF-NET (National eligibility test), June 2010 in Chemical Science.

Qualified Graduate Aptitude Test in Engineering (GATE), February 2010.

First rank holder award in B.Sc. (H) Chemistry in Acharya Narendra Dev College.

D.C. Arora Meritorious Scholarship for the year 2007-2008.

D.C. Arora Meritorious Scholarship for the year 2006-2007.

Faculty Development Programme (FDP)/Refresher Course:

1. Successfully completed **Four Week Faculty Orientation/Induction Programme** for “**Faculty in Universities/Colleges/Institutions of Higher Education**” Organized by 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 (PMMMNMTT) held from 22 January 2024 – 20 February 2024 and obtained A+ grade.

2. Participated and completed **One Week (Online) Faculty Development Programme on “Applied Chemistry-A catalyst for Scientific transformation”** organized by the Lavoisier’s association, Department of Chemistry, Faculty of Science, SGT University on 23/08/2021 - 28/08/2021.

Committee Memberships

Committee Member of Admission Committee for B. Sc. Life Sciences 2021 in Kalindi College

Committee Member of NSS unit from June 2021 to December 2023 in Kalindi College

Committee Member of Website Committee from June 2021 to December 2023 in Kalindi College
Committee Member of Feedback Committee of Non-Teaching Staff from June 2021 to December 2023 in Kalindi College
Committee Member of Students Council Committee from June 2021 to December 2023 in Kalindi College
Committee Member of Criteria 3 from June 2021 to December 2023 in Kalindi College
Committee Member of ministry of parliamentary committee June 2021
Committee Member of Garden committee March 2023 to December 2023 in Kalindi College
Committee Member of Admission Committee for OBC Certificate Verification 2023

Other Details

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