


FACULTY PROFILE PROFORMA

Title (Ms/Mr/Dr/Prof)	Dr	FirstName	Rajita	LastName		Photograph
Designation	Assistant Professor					
Department	Chemistry					
Address (Official)	Department of Chemistry, Kalindi College (University of Delhi) East Patel Nagar, New Delhi-110008					
Phone No.	--					
Email	rajita@kalindi.du.ac.in					
Education						
Subject	Institution		Year	Details		
PhD Chemistry	CCS Haryana Agricultural University, Hisar, Haryana		2022	Topic- Green Synthesis of gold nanoparticles and evaluation of their catalytic, antioxidant and antimicrobial activity		
MSc Chemistry	CCS Haryana Agricultural University, Hisar, Haryana		2017	OGPA 8.7		
BSc(Medical)	KUK, Kurukshetra, Haryana		2015	88.6		
Career Profile						
Organisation/Institution	Designation		Duration	Role		
Kalindi College, University of Delhi	Assistant Professor		8 th January 2024 to till date	Teaching and administrative duties		
Research Interests/Specialization						
<ul style="list-style-type: none"> • Phytochemistry • Nanoparticles synthesis • Green Chemistry 						
Administrative Assignments / Contribution to corporate life						
<ul style="list-style-type: none"> • Convenor- Committee for Collaboration and exchange Programmes, Staff Council Committee, 2024 • Member: All India Survey of Higher Education (AISHE), Staff Council Committee, 2024 • Member- Registration committee, Lehren, 2024 • Member- Stage property, Annual day, 2024 • Member- AQAR, Criteria –III. • Member- Alumni Meet, 2024 						
Teaching Experiences (Subject/Courses taught)						
<ul style="list-style-type: none"> • BSc(P) Life Sciences Semester VI: Organometallic Chemistry, Bio-inorganic chemistry, Polynuclear hydrocarbons and UV-IR • BSc(H) Chemistry Semester II: Chemical thermodynamics and its applications • BSc(P) Life Sciences Semester II: Chemical bonding and their elements in biological systems 						

Research Guidance			
NA			
Publication (Peer Reviewed/Indexed Journals)			
Year of Publication	Title	Journal (Name of the journal. Vol Issue ISSN)	Co-Author
2022	Green Synthesis of gold nanoparticles: An eco-friendly approach	International Journal of Basic and Applied Biology, 9(1), ISSN: 2394-5820	Sushila Singh
2022	Biochemical and molecular mechanism of plant- mediated synthesis of silver nanoparticles- A review	Mini-reviews in Organic chemistry, 19(8), ISSN :1875-6298	Ritu Dalal, Sushila Singh, Seema Sangwan, Monika Moond
2022	Effect of extraction solvents on phytochemicals and antioxidant potential of turnip roots (Brassica rapa L.)	Agricultural Science Digest, ISSN: 0976-0547	Sushila Singh and Parvesh Devi
2022	Green synthesis and applications of silver nanoparticles: a systematic review	AATCC journal of research, 9(6), ISSN:2472-3444	Monika Moond, Sushila Singh, Seema Sangwan, Ritu Devi
2023	Estimation of phytochemicals and antioxidant potency of trigonella foenum-graecum leaves (variety HM444)	Agricultural Science Digest, ISSN: 0976-0547	Monika Moond, Sushila Singh, Ritu Devi, Pinki
2023	Proximate composition, phenolic, flavanoid content and antioxidant potential of Syzygium cumini (L.) skeels seed powder	Annals of phytomedicine: an international journal, 12(1), ISSN:2278-9839	Ritu Devi, Sushila Singh, Monika Moond, Sandeep Kumar, Sachin Kumari and Rajni Kant Sharma
2023	Proximate and mineral analysis of Trigonella foenum-graecum L (Fenugreek) seeds and leaves of variety HM444	Annals of phytomedicine: an international journal, 12(1), ISSN:2278-9839	Monika Moond, Sushila Singh, Ritu Devi, Pinki Matoria, Sachin Kumari and Rajni Kant Sharma
2024	Raphanus sativus L.roots: Proximate analysis and antioxidant activity	Annals of phytomedicine: an international journal, 13(1), ISSN:2278-9839	Sushila Singh, Ritu Devi, Seema Sangwan and Parvesh Devi

Seminar/Workshop/Conferences Presentation/Organisation

Conferences:

- Participated in national conference on Trends in Nanobiotechnology (NCTN-2016) organized by CCS Haryana Agricultural University, Hisar from November 29-30th, 2016.
- Participated in international conference on Emerging areas of Environmental Science and Engineering (EAESE-2017), organized by GJU&ST, Hisar from 16-18th February, 2017.
- Participated in national conference on Analytical techniques and their applications organized by Dr A.P.J. Abdul Kalam Central instrumentation Laboratory, GJU&ST, Hisar from 16-17th march, 2017.
- Participated in international conference on “Bio and Nano technologies for Sustainable Agriculture, Food, Health, Energy and Industry (ICBN-2018), held at GJU&ST, Hisar from February 21-23th, 2018.
- Participated in the course “Nanostructured metal oxides for sensing and environmental applications” under the Global initiative for academic networks (GIAN), Punjab University, Chandigarh from 6-10th August, 2018.
- Participated in international symposium on Innpreneurship; a need of sustainable agriculture organized by CCS Haryana Agricultural University, Hisar from Feb 2-3, 2019.
- Participated in DAE symposium on Current trends in Theoretical Chemistry (CTTC-2020) organized by Chemistry division, Bhabha Atomic Research Center, Mumbai from September 23-25, 2021.
- Gave oral presentation on the paper entitled “Green Mediated Synthesis of Gold nanoparticles (AuNPs) using aqueous Neem extract“ in the 6th Asia Pacific International Modern Science Congress held on 15th-16th December, 2021, organized by Mata Sundri College for Women, University of Delhi.
- Participated and Won the Best Oral Paper Presentation award at National Conference on Sustainable Environmental perspectives: A Journey from Ancient India, 5th-6th June 2022, Deen Dayal Upadhyaya College, University of Delhi.
- Participated and Won the Best Oral Paper Presentation award at International Conference on Climate Change, Sustainable Development & Smart Agriculture, ICSSA-2023, 6th-7th April 2023, Kalinga University, Naya Raipur, Chhattisgarh.

FDP/FIP attended

- UGC sponsored Faculty Induction Programme on Faculties in Universities/ Colleges/ Institutes of Higher Education, organized by Malaviya Mission Teacher Training Centre, Kannur University from 18th July-14th August 2024.

Awards & Distinctions

- Qualified CSIR-UGC (JRF), December-2019.
- Awarded best oral paper presentation award at National Conference on Sustainable Environmental perspectives: A Journey from Ancient India, 5th-6th June 2022, Deen Dayal Upadhyaya College, University of Delhi.
- Awarded best oral paper presentation award at International Conference on Climate Change, Sustainable Development & Smart Agriculture, ICSSA-2023, 6th-7th April 2023, Kalinga University, Naya Raipur, Chhattisgarh.
- Awarded meritorious awards during all three consecutive years of BSc (Medical) in Govt. P.G. College, Hisar, Haryana.

Public Service/ University Service/ Consulting Activity

NA

Professional Societies Memberships

NA

Projects(Major Grants/ Collaborations)

NA

OtherDetails

NA