




Shivaji College Faculty Details Proforma

Title		First Name	Priyanka	Last Name	Kumari	Photograph
	Dr.					
Designation	Assistant Professor					
Address	Flat No-16, Akshardham Apartments, DDA MIG Flats, Pocket-03, Sector- 19, Dwarka, New Delhi 1100750					
Office Phone No.	-----					
Residence	Flat No-16, Akshardham Apartments, DDA MIG Flats, Pocket-03, Sector- 19, Dwarka, New Delhi 1100750					
Mobile	9999311897, 9810668804					
Email	Priyanka.dhaka1985@gmail.com					
Web-Page						
Educational Qualifications						
Degree	University/Institute				Year	
Ph.D.	University of Delhi				2021	
M.Phil./M.Tech.	-----				-----	
PG	Banasthali Vidyapith				2007	
UG	University of Rajasthan				2005	
Any Other Qualification	GATE Qualified				2012	
Career Profile						

<ul style="list-style-type: none"> ❖ 10 february 2024 to till now Assistant Professor ❖ 02 August 2017 to till 10 february 2024 Assistant Professor (Ad-hoc) ❖ 2019 Ph.D. ❖ 2016 Young Scientist Award in Indian Chemiocal Society ❖ 2014-17 Senior Research Fellowship ❖ 2012-14 Junior Research Fellowship ❖ 2012 Graduate Aptitude test qualified ❖ 2011 CSIR-NET (JRF- 70th Rank)
Administrative Assignments
Areas of Interest/Specialisation
<ul style="list-style-type: none"> ❖ Inorganic Chemistry ❖ Clay-polymer composite as seed coating material
Subjects Taught
<ul style="list-style-type: none"> ❖ Physical Chemistry- Solid State, Ionic Equilibrium, Chemical Equilibrium, Chemical Energetics, Solutions, Phase Equilibrium, spectroscopy and Photochemistry. ❖ Inorganic Chemistry- Transition Elements (3d series), Lanthanoids and Actinoids, Crystal Field Theory, Principles of metallurgy, s-and p-block elements and its compounds, Atomic Structure, Chemical bonding and molecular Structure. ❖ Organic Chemistry- Carbohydrates. ❖ Analytical chemistry
Innovation Project/Research Projects (Major Grants/Research Collaboration)
Publications Profile (<i>Research Papers/Books</i>)
<ul style="list-style-type: none"> ❖ Fabrication of Coloured Polymeric Membrane using Clay-based Nano pigments of Safranin O (SO) Dye ❖ Synthesis of nano pigments using clay minerals and organic dyes and their application as colorants in polymer matrix ❖ Precipitation: A Part of Gravimetric Analysis - A Review ❖ Environmentally Benign Approach to Formulate Nanoclay/Starch hydrogel for Controlled Release of Zinc and Its Application in Seed Coating of Oryza Sativa Plant ❖ A new class of clay polymer composite films as seed coating material for the extended release of micronutrient, Fe +2 ❖ Low cost material, banana peel for the removal of lead (II) from aqueous solutions. ❖ Effective adsorption of Cd (II) ion on orange peels (citrus sinensis). ❖ Activated charcoal as low coat adsorbent for the removal of lead. ❖ Application of sugar cane bagasse for the removal of chromium (VI) and Zn (II) from aqueous solution.

Conference/Seminar/Faculty Development Programme/Workshop
<p>Oral Presentation</p> <ul style="list-style-type: none"> ❖ Kumari P., Datta M., 2015, Synthesis of clay-polymer composite film as seed coating material for the extended release of micronutrients into soil, Paper presented at the 52nd annual convention of chemists and international conference on recent advances in chemical sciences, Jaipur, India. ❖ Kumari P., Datta M., 2015, Clay-polymer composite film for the extended release of micro ❖ Nutrients, Paper presented at national conference in chemistry on environment and harmonious development (NCC-2016), Organized by shyamlal college, University of Delhi, India. ❖ Kumari P., Datta M., 2014, Presented a paper entitled Control release of micronutrient through biodegradable membrane coating of seeds, Third International Conference on ACES at Arya P.G. college, Panipat, Haryana ❖ Kumari P., Datta M., 2014, Presented a paper entitled Nano clay composite films as seed coating material for the extended release of plant micronutrient And it's effect on the plant, Second international conference on nanostructured materials and nanocomposites (ICNM) <p>Conference Attended</p> <ul style="list-style-type: none"> ❖ Kumari P., Datta M., March 2016. International conference on materials science & technology, conference center, Organized by University of Delhi, India.
Research Guidance (<i>Supervision of Doctoral Thesis/Dissertations</i>)
Awards and Distinctions
<ul style="list-style-type: none"> ❖ Young Scientist Award in indian Chemiocal Socity ❖ Patent on "Synthesis Of Clay-Based Nanoscale Pigments"
Memberships
<ul style="list-style-type: none"> ❖ Indian Science Congress Association, Life member.
Other Academic Activities
<p>CO-CONVENOR</p> <ul style="list-style-type: none"> ❖ Environmental Challenges in Front of Society in Current Scenario and Future Strategies <p>HOST</p> <ul style="list-style-type: none"> ❖ Webinar: Environmental Challenges in Front of Society in Current Scenario and Future Strategies <p>ORGANIZER</p> <ul style="list-style-type: none"> ❖ National Conference on Relationship between Chemical Sciences and Society (RCSS-2020) ❖ Webinar: The Contribution of DRDO in Prevention and Management of Covid-19 Pandemic

- ❖ Webinar: Environmental Challenges in Front of Society in Current Scenario and Future Strategies
- ❖ Webinar: Riveting Story of Molecular Modeling
- ❖ Webinar: National Education Policy (NEP)-2020 for Quality Higher Education
- ❖ Webinar: Alzheimer Disease
- ❖ RASTANTRUM-2019 Inter College Department Fest Climate Change 2.0
- ❖ RASTANTRUM-2020 Inter College Department Fest Climate Change 3.0

RESOURCE PERSON

- ❖ Four Week Summer Training (20th June to 17th July 2019) on “Distillation, Solvent Extraction and Column Chromatography”
- ❖ Intra College Laboratory Skill Training Programme (20th - 24th May 2019) for Assistant/Attendant in chemical Science laborites
- ❖ Intra College online Summer Training (1st June to 28th July 2019) on “Virtual world of Chemistry”
- ❖ Intra College Laboratory Skill Training Programme (20th -24th May 2020) for Assistant/Attendant in chemical Science laborites

Cultural/Extracurricular Activities

- ❖ Vibration Organizing committee
- ❖ Sports Day Inaugural
- ❖ NSS Gender Fair
- ❖ Canteen committee
- ❖ WDC



Signature of Faculty Member