



DESHBANDHU COLLEGE
(UNIVERSITY OF DELHI)
KALKAJI, NEW DELHI - 110019
Faculty Details Proforma for College Website

Title	Dr.	First Name	Deepti	Last Name	Gupta	Photograph
Designation		Assistant Professor				
Address		WP-240B, Maurya Enclave, Pitampura-34				
Phone No. Office		011-26439565				
Residence		011-42728349				
Mobile		9911807362				
Email		dgupta@db.du.ac.in				
Web-Page						
Educational Qualifications						
Degree		Institution			Year	
Ph.D.		Department of Chemistry, University of Delhi			2010	
M.Phil.		-			-	
PG		St. Stephen's College, University of Delhi			2006	
UG		St. Stephen's College, University of Delhi			2004	
Any other qualification						
Career Profile						
<ul style="list-style-type: none"> • Assistant Professor (permanent), Department of Chemistry, Deshbandhu College, DU from 31st Oct., 2014-till date • Assistant Professor (ad-hoc),), Department of Chemistry, Deshbandhu College, DU from 27th July, 2012-24th Oct., 2014 • Assistant Professor (ad-hoc),), Department of Chemistry, Hans Raj College, DU from 5th Aug., 2010-26th July, 2012. • Assistant Professor (ad-hoc),), Department of Chemistry, Hindu College, DU from 7th Dec., 2009-14th Mar., 2010 <p>Total Teaching Experience : 10 Years</p>						
Administrative Assignments						
<ul style="list-style-type: none"> ➤ Member of various committees in the College <ul style="list-style-type: none"> • Member, Canteen Committee 2018-2020 • Member, Garden Committee 2018-2020 • Member, Sports Committee 2016-17 • Member, Union Advisory Committee 2014-15, 2017-19 • Member, Proctorial Committee 2018-19 • Executive Member, Cultural Committee 2012-13 ➤ Member, wall Magazine "Re"active" (under DBT star college scheme) ➤ Co-convenor, Chemical Society festival "Resonance" at Deshbandhu College, University of Delhi. (9th-10th march 2017) ➤ Executive Editor, first issue of "Deshrasayan", Magazine of Chemistry Department, 2017 ➤ Resource Person in INSPIRE Internship Program-2014, conducted at Department of Chemistry, Deshbandhu College, October 8-12, 2014 						

Areas of Interest/Specialization	
<ul style="list-style-type: none"> Physical Chemistry Computational Chemistry Molecular Modeling Computer Languages: BASIC, QBASIC Scientific and Molecular Modeling packages viz. Gaussian, Schrodinger, Material Studio, Hyperchem, Mathcad and other freewares like ArgusLab which are being used to teach undergraduate courses. 	
Subjects Taught	
B. Sc. (H) Chemistry 3 rd Yr.	DSC Papers: Quantum & Spectroscopy; Application of Computers in Chemistry
B. Sc. (H) Chemistry 2 nd Yr.	DSC Papers: Phase Equilibria; Solutions; Electrochemistry; Conductance; Chemical Kinetics; Photochemistry
B. Sc. (H) Chemistry 1 st yr.	DSC Papers: Gaseous, Liquid & Solid State; Ionic Equilibria; Thermodynamics; Chemical Equilibria
B. Sc. (P: LS, PS, IC)	All Physical Chemistry Papers
B.Sc. (P) Industrial Chemistry 1 st yr	Waste Water Management
Generic Elective Paper for Hons courses	G.E.-iv: Solutions, Chemical Eq
B. Sc. (H) Chemistry 1 st yr.	Foundation Course: Science & Life (Erstwhile FYUP)
M.Sc. Earth Sciences 1 st Yr. (5 Yr. Integrated Course)	Chemistry Paper
Research Guidance	
<i>Not Applicable</i>	
Publications Profile	
<p>List against each head (If applicable) (as Illustrated with examples)</p> <ol style="list-style-type: none"> Books/Monographs (Authored/Edited): None Research papers published in Refereed/Peer Reviewed Journals <p>Research papers published in Refereed/Peer Reviewed Conferences:</p> <ul style="list-style-type: none"> A Chloro-Bridged Heterobimetallic (η^6-Arene) ruthenium–Organotin Complex as an Efficient Topoisomerase Iα Inhibitor, Rais Ahmad Khan, Ahmad Asim, Rita Kakkar, Deepti Gupta, Vivek Bagchi, Farukh Arjmand, and Sartaj Tabassu, Organometallics, 2013, 32, 2546–2551, ISSN No. 0276-7333: Impact Factor: 4.415 Kakkar, Rita; Arora, Richa; Gahlot, Pragya; Gupta, Deepti. 2014. An insight into pyruvate dehydrogenase kinase (PDHK) inhibition through pharmacophore modeling and QSAR studies. J. Comput. Sci. 5: 558– 5672, Impact Factor: 2.5 	

E-CONTENTS DEVELOPED:

- Developed e-content (questions) for of Class XI, Chapter 1 (Basic Concepts in Chemistry), **UDAAN, CBSE, 2016-17**
- Developed e-content (**Two Lessons**) for **Institute of Life Long Learning (ILLL)**, University of Delhi, for the open course of FYUP (Science) in Chemistry DC-I, Paper – I, Sec – B, Unit – I: Gases.
 - Lesson - 1 : Gases : Introduction, Kinetic theory, Molecular Collisions & Viscosity
 - Lesson -2: Gases: Distribution of Molecular. Speeds: Maxwell – Boltzmann Distribution.

Conference Organization/ Presentations

List against each head(if applicable)

1. Organization of a Conference:

- Member of Organizing Committee, “Two days national workshop on Skill Development to Build a Clean India” organized by Deshbandhu College, University of Delhi, Delhi-110 019, India. 07th & 08th June 2018.
- Member of Organizing Committee of "Fourth National Symposium on Environment: Green Technology for Environmental Sustainability" held on September 25, 2018, Deshbandhu College, University of Delhi.
- Organized Concept Test in Chemistry (CONTECH)-2015, National level test conducted by ACT, Homi Babha Centre for Science & Education, Mumbai

2. Participation as Paper/Poster Presenter

- **Oral presentation** on National Conference, INCLAT, organised by Zakir Husain Delhi College, DU, 8th-9th Feb., **2017**
- **3rd Prize** for poster put up on “AZ12 based design of PDHK inhibitors” during the **Workshop on “Molecular Modeling and Drug Design”** at Center for Modeling Simulation and Drug Design (CMSD), University of Hyderabad from 2nd – 7th Aug., 2010.
- Presented a poster on “QSAR Analysis of AZD7545 Analogues: a potent inhibitor of PDHK2” during 13th ISCBC International Conference.

3. Participation in a Workshop/Conference

- Attended BIOINDIA 2019 programe held on 11th Nov., 2019 & 21st-23rd Nov., 2019.
- Attended “National Seminar on Blended Learning in Chemistry” at Guru Angad Dev Teaching Learning Center, MHRD, Govt. of India. (27th May 2019)
- Attended National Symposium on ‘Vector Biology and Vector Management’ at Deshbandhu College, University of Delhi. (21st June 2013)
- Resource Person in INSPIRE Internship Program-2014, conducted at Department of Chemistry, Deshbandhu College, October 8-12,2014
- Attended workshop on “Computational Chemistry for Chemistry Educators” Organized by Miranda House, University of Delhi. (23rd -24th Nov. 2011)
- Participated in the National Seminar on “Recent Trends in Chemistry” organized by Sri Venkateshwara College, Delhi University held from March 20-22, 2012
- Participated in the International Conference on “Interface between Chemistry and Environment” organized by Ramjas College, University of Delhi from Dec. 13-14, 2012
- Workshop on “Introduction to Gaussian: Theory and Practice”- 17 Dec. to 21 Dec., 2012, Delhi.
- International Conference on “Interface between Chemistry and Environment (ICICE)”: 13th – 14th Dec., 2012, New Delhi.

- Workshop on “**Molecular Modeling and Drug Discovery**”-01st Dec. 2011-2nd Dec., 2011, INMAS, DRDO
- 13th **ISCBC** International Conference- 26th Feb., 2009 - 3rd Mar., 2009
- INDO-US Symposium on “Trends in Chemical Biology” – 27th Feb., 2009
- National Seminar on “**Open Source Drug Discovery**”- 28th Feb., 2009
- INDO-GERMAN Symposium on “Supramolecular Chemistry”- 3rd Mar., 2009
- **SERC Summer School in “Modeling & Informatics in Drug Design”** held in NIPER, Chandigarh - 30th June, 08 -18th July, 08

Research Projects (Major Grants/Research Collaboration)

1. **DBT Star College Scheme (Project under process/halted due to COVID-19 lockdown):**

Nutraceutical cocrystals: Synthesis & their computational study

Awards and Distinctions

- Senior Research Fellowship under UGC scheme July 2009- July 2010.
- Junior Research Fellowship under UGC Scheme July 2007-June 2009. **CSIR/JRF-NET** (2007)
- UGC fellowship (Scheme-XI) for meritorious students in 2006-07

Association With Professional Bodies

- Lifetime Member of Green Chemistry Network Center (GCNC)

Other Activities

- **Sports Activities:**
Have won Gold medal in Chess & Badminton and Silver medal in Carom, Teacher’s Competition, during Annual Sports Day of College in 2018
- **Fine Arts:**
Wall Painting during Teacher’s Talent Hunt, held during NSS Fest, 2020
- **Orientation Programme (OR-95)**, CPDHE (HRDC), DU, 27th November, 2018 to 24th December, 2018.
- **Refresher Programme**, CPDHE (HRDC), DU, 26th June to 16th July 2015.

Signature of Faculty
Member

- You are also requested to give your complete resume as a Word or PDF file to be attached as a link on your department page.