



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

Title	Dr	First Name	SHILPI	Last Name	KHURANA	Photograph
Designation		ASSISTANT PROFESSOR CHEMISTRY				
Address		A-1/358 II FLOOR PASCHIM VIHAR NEW DELHI-110063				
Phone No. Office						
Residence		011-25253981				
Mobile		9899233116				
Email		Khuranashilpi1@gmail.com				
Web-Page						
Educational Qualifications						
Degree		Institution			Year	
Ph.D.		DEPARTMENT OF CHEMISTRY , DELHI UNIVERSITY			2007	
M.Phil.		DEPARTMENT OF CHEMISTRY, DELHI UNIVERSITY			2002	
PG		MIRANDA HOUSE, DELHI UNIVERSITY			2001	
UG		MIRANDA HOUSE, DELHI UNIVERSITY			1999	
Any other qualification						
Career Profile						
Assistant Professor, Deshbandhu College, University of Delhi						
Assistant Professor, Keshav Mahavidyalaya, University of Delhi						
Administrative Assignments						
1 Member of Chemical Society of Chemistry Department, Deshbandhu College “ RESONANCE ”.						
2 Member of Purchase Committee, Deshbandhu College, 2014-15.						
3 Member of Annual Cultural Festival “ SABRANG ”, Deshbandhu College 2014-15.						
4 Worked as a Treasurer of DBCTA 2014-15.						
5 Member of Financial Assistance Committee 2015-16.						
6 Member of Union Advisory Committee 2015-16.						
7 Member of Financial Assistance Committee 2018-19.						
8 Worked as member organizing committee in INSPIRE Programme 2013-14.						

Areas of Interest/Specialization

- Developed the synthesis of cytotoxic alkaloids from Marine sponges.
- Synthesis of phenolic acids *via* sulphone chemistry.
- Development of new methodologies for the synthesis of bis schiff bases and spiro compounds that possessed antibacterial and antifungal activities.
- Engaged in isolation and structural elucidation of various natural compounds from Indian medicinal plants.
- Extensively used various techniques such as column chromatography, ¹HNMR, ¹³CNMR, UV, IR and mass spectroscopy for purification and identification of unknown compounds (natural /unnatural)

Subjects Taught

B.Sc (H) Chemistry	Organic Chemistry		
B.Sc (Prog) Life Science	Organic Chemistry		
B.Sc (Prog) Physical Science	Organic Chemistry		
B.Sc (Prog) Industrial Chemistry	Organic Chemistry and Industrial Chemistry		

Research Guidance

List against each head (If applicable):

1. Supervision of awarded Doctoral Thesis
2. Supervision of Doctoral Thesis, under progress
3. Supervision of awarded M.Phil. dissertations
4. Supervision of M.Phil. dissertations, under progress

Publications Profile

- a) A Review on Biologically Active Triterpene Lupeol and Ursolic Acid Present Together In *CARISSA CARANDAS ANUSILANA*, Vol. LXIII, Year 2015, ISSN 0973-8762.
- b) Role of *FICUS RELIGIOSA* In Medicine - A REVIEW *PARIPREKŅYA*, Vol. XVII, Year 2015, ISSN 2278-0602
- c) Design and synthesis of spiro[indole-thiazolidine]spiro[indole-pyrans]as antimicrobial agents, *Bioorganic and Medicinal Chemistry letters* 21(2011),11 5465-69.
- d) Synthesis of novel non-isoprenoid phenolic acids and 3-alkylpyridines, *Pure & Applied Chem.*, 2005, **77(1)**, 185-193.
- e) A new flavone-glycoside from *Zanthoxylum acanthopodium* DC, *Indian J Chem*, 2007, **46B**, 842-844.

Conference Organization/Presentations

1. Presented poster on “Review: Bioactive carbohydrates Scaffold in the CARBO –XXXI International Conference on New Frontiers in Carbohydrate Chemistry and Biology from 14-16 November 2016.
2. Presented poster in the International Conference on Green Chemistry in Environment Sustainability and Chemical Education (ICGC-2016), Daulat Ram College on 17-18 November 2016.
3. Participated in BIOTIKOS 2016 “National Symposium on Nanobiotechnology organized by TERI University Biotechnology Society at TERI University, from 31 March – 1 April 2016.
4. Worked as a member of Executive Organizing Committee in the Indo –Portuguese Workshop on Emerging Trends of Nanotechnology in Chemistry and Biology organized by Department of Chemistry, Hansraj College & Deshbandhu College in association with CQM, University of Madeira, Portugal held on 12-13 February, 2016.
5. Presented poster on “Synthesis of Biomedical Compound from Marine Organism” in the 9th National Conference on Solid State Chemistry and Allied Areas organized by Bhaskar Acharaya College of Applied Sciences, Delhi University from 8th-10th May 2015.
6. Participated as a member Organizing Committee and Resource Person in the Inspire Internship Program 2014 organized by Deshbandhu College, Delhi University held from October 8-12, 2014.
7. Participated as a member Organizing Committee and Resource Person in the Inspire Internship Program 2013 organized by Deshbandhu College, Delhi University held from December 16-20, 2013.
8. Participated in the Workshop on SCIENCE AND LIFE organized by CPDHE, University of Delhi, from 21-22 June, 2013.
9. Presided as a Resource Person and member Organizing Committee in the Inspire Internship Program 2012 organized by Deshbandhu College, Delhi University held from October 1-5, 2012.
10. Participated in the workshop on “Theory & Practical Course –Biochemistry & Environmental Chemistry “organized by Department of Chemistry , University of Delhi held from July 2-7, 2012.
11. Participated in the National Seminar on “Recent Trends in Chemistry “organized by Sri Venkateswara College, Delhi University held from March 20 -22, 2012.
12. Participated in the International Conference on Interface between Chemistry and Environment organized by Ramjas College, Delhi University held from December 13-14, 2012.

Research Projects (Major Grants/Research Collaboration)

Principal Investigator: Food for Future: Studies On Nutritional Value of Kuttu (*Fagopyrum Esculentum*) – A Pseudocereal and Efficacy of Weed Based Botanicals Against its Root-Rot Diseases. **Awarded for being selected for the research display at the Convocation Ceremony 2016.**

Awards and Distinctions

1. Awarded Lala Bhagwan Das Goel memorial scholarship (2001).

2. Awarded Science Merit Scholarship.
3. Junior Research Fellow (2005): CSIR, New Delhi.
4. Junior Research Fellow (2005): CSIR (NET), New Delhi

Association With Professional Bodies

- *Editing*
- *Reviewing*
- *Advisory*
- *Committees and Boards*
- *Memberships*
- *Office Bearer*

Other Activities

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.