



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

Title	Dr	First Name	Ashawani	Last Name	Singh	Photograph
Designation	Assistant Professor					
Address	A-382, Second Floor, Double Storey Kalkaji, New Delhi-110019					
Phone No. Office	9599222850					
Residence Mobile	9654271850					
Email	asingh21@db.du.ac.in					
Web-Page	https://sites.google.com/db.du.ac.in/ashawani/home?authuser=1					
Educational Qualifications						
Degree	Institution				Year	
Ph.D.	University of Delhi				2019	
PG	Deen Dayal Upadhyaya Gorakhpur University Gorakhpur				2007	
UG	Deen Dayal Upadhyaya Gorakhpur University Gorakhpur				2004	
Any other qualification	CSIR –NET-JRF(AIR24)				2011	
	GATE-2010				2010	
Career Profile						
2021	Assistant Professor (Ad-hoc) from 4 th January 2021 in the department of chemistry Deshbandhu College, University of Delhi.					
2019-2020	Take IGNOU practical classes in SSN College, Delhi University: 1.5 year					
2020	Guest Lecturer in the department of chemistry w.e.f.16-08-2020 to 27-11-2020 in SSN College, Delhi University.					
2020	Guest Lecturer in the department of chemistry w.e.f.23.01.20 to 27-04-2020 in SSN College, Delhi University.					
2019	Guest Lecturer in the department of chemistry w.e.f.13.08.19 to 21-11-2019 in SSN					

	College, Delhi University.
2019	Guest Lecturer in the department of chemistry w.e. f. 10.01.19 to 29-04-2019 in Dyal Singh College, Delhi University.
2018	Guest Lecturer in the department of chemistry w.e.f..18-07-2018 to 16-11-2018 in Dyal Singh College, Delhi University.
2018	Guest Lecturer in the department of chemistry w.e.f. 10.01.2018 to 16.04.2018 in Dyal Singh College, Delhi University.
2017	Guest Lecturer in the department of chemistry w.e.f. 26.07.2017 to 16.11.2017 in Dyal Singh College, Delhi University
2017	Guest Lecturer in the department of chemistry w.e.f. 10.02.2017 to 24.04.2017 in Dyal Singh College, Delhi University.
2016	Guest Lecturer in the department of chemistry w.e.f. 24.08.2016 to 12.11.2016 in Dyal Singh College, Delhi University.

Administrative Assignments

S. No.	Year	Nature of Activity	Designation	Institution/Department	Period	
					From	To
1.	2021	Data evaluation and compilation	Member	Deshbandhu College/Chemistry Department	20-01-2021	
2.	2021	Data evaluation and compilation	Member of NAAC team	Deshbandhu College/Chemistry Department	20-01-2021	
3.	2021	Solve the quarries, and issues during examination	Member of Open Book Examination core team	Deshbandhu College	01-05-2021	
4	2022	Active participation as Organizing Secretary in International Symposium " Chemical Wisdom by Her "	Organizing Secretary	Deshbandhu College/Chemistry Department	31-01-2022	
5	2022	judging the Poster Presentation session in International Symposium " Chemical Wisdom by Her "	Judge	Deshbandhu College/Chemistry Department	31-01-2022	
6	2021	Active participation as	Member,	Deshbandhu College/Chemistry	21-10-2021	

		Member, Organizing Committee in "Lecture II: What has Science done for our Society?"	Organizing Committee	Department		
7	2022	Valuable contributions in the international e-conference ICRACS-2022,	Organizing Committee Member	Deshbandhu College/Chemistry Department	08-04-2022	09-04-2022
8	2022	Worked as an Executive committee member in the National Conference on NEP: Implementation, Challenges, Opportunities and probable outcomes.	Executive committee member	Deshbandhu College/Chemistry Department	14-05-2022	

Areas of Interest/Specialization

➤ CHEMISTRY/ORGANIC CHEMISTRY

Subjects Taught

Undergraduate Courses: Organic Chemistry, Physical Chemistry, Inorganic Chemistry

Organic(B.Sc)	Inorganic(B.Sc)	Physical(B.Sc)	Miscellaneous
Spectroscopy	Coordination chemistry	State of matter	Pharmaceutical chemistry
Name reaction & mechanism	S, p, d & f-block element.	Ionic equilibrium	Green method Chemistry
Biomolecules	Atomic & Molecular Structure	Chemical kinetics	Chemistry of cosmetics and perfumes.
Synthetic reagents	Chemical bonding	Electrochemistry	Polymer chemistry
Heterocyclic chemistry	Organo-metallic	Thermodynamics	Fuel Chemistry
Organic Spectroscopy		Physical Spectroscopy	Environmental Chemistry
All topics			

Post-graduate Courses: NA

Research Guidance

Publications Profile

Research Articles in Journals:

2021	Advancement of chimeric hybrid drugs to cure malaria infection: An overview with special emphasis on endoperoxide pharmacophores. Bhawana Sharma , Preeti Singh , Ashawani Kumar Singh , Satish K. Awasthi. EJMC , 2021, 219, 113408.
2017	An efficient ecofriendly enantioselective organocatalytic ring closing reaction of 2-Hydroxychalcone via Intramolecular OxaMichael Reaction. Ashawani Kumar Singh , Shrawan K Mangawa, Arvind Kumar, Arvind K. Dixit, Satish Kumar Awasthi. Chemistry Select. , 2017, 2, 34 11160-11163.
2016	Chiranjeev Sharma, Ashawani K. Singh , Jyothish Joy, Eluvathingal D. Jemmis and Satish K Awasthi, "Experimental and theoretical study of intramolecular O...O interaction in structurally rigid β -keto carboxylic esters" Rsc Adv. , 2016, 6, 91689-91693
2015	Design and synthesis of an s-triazene based asymmetric organocatalyst and its application in enantioselective alkylation. Shrawan K. Mangawa, Ashawani K. Singh and Satish K. Awasthi RSC Adv. , 2015, 5, 61144-61147.
2015	Expedient and efficient one pot synthesis of trifluoroethyl ethers from metal free 2,4,6-tris(2,2,2-trifluoro-ethoxy)-[1,3,5] triazene. Shrawan Kumar Mangawa, Chiranjeev Sharma, Ashawani kumar Singh and Satish K. Awasthi. RSC Adv. , 2015, 5, 35042-35045
2014	AgNO ₃ catalyzed synthesis of 5-substituted-1H-tetrazole via [3+2] cycloaddition of nitriles and sodium azide. Pavnes Mani, Ashawani Kumar Singh , Satish Kumar Awasthi. Tetrahedron Letters 55 (2014) 1879–1882.

Chapters in Books:

Books:

Conference Organization/Presentations

• **International Seminars/Conferences:**

2021	Active participation in the lecture "Rational Approaches in Drug Design and Development" under International Lecture Series entitled "Multifaceted Chemistry: An ever-evolving domain of science" held on 20/03/2021 through online mode organized by Department of Chemistry, Deshbandhu College.
2021	Active participation in the lecture "crossing biological barriers-smartmodalities to improve performance of polymer nanocarriers" under International Lecture Series entitled "Multifaceted Chemistry: An ever-evolving domain of science" held on 07/03/2021 through online mode organized by Department of Chemistry, Deshbandhu College.
2021	Active participation in the lecture "Nano-therapeutics: Future of Personalised Nanomedicines" under International Lecture Series entitled "Multifaceted Chemistry: An ever-evolving domain of science" held on 14/02/2021 through online mode organized by Department of Chemistry, Deshbandhu College.
2016	Participation in the DU-JAIST Indo-Japan Symposium on Chemistry of Functional Molecule/Materials held at Department of Chemistry, University of Delhi on February 26

	27, 2016.
• National Seminars/Conferences:	
2021(FDP)	One Week Online National Faculty Development Program on “Strengthening Academic & Research Pursuit in the 21st Century” organized by Guru Angad Dev Teaching Learning Centre, a centre under PMMMNMTT, Ministry of Education, Government of India in collaboration with Sharda University, Greater Noida held from 28 th June 2021 to 04 th July 2021.
2021	Participate in National Webinar on "Training on Skill Development Program for Aatmanirbhar Bharat" with the theme 'Aatmanirbhar Bharat' and 'Shatabd Sankalp' in the field of Biopharmaceutical industry- Past, present & future" on 09.06.2021 as part of the “Azadi ka Amrit Mahotsav” celebration at the Central University of Haryana.
2021	Participation in a lecture “Importance of Natural & Synthetic Chemical compounds in Human life” on 13-04-2021 through online mode organized by Department of Chemistry, Deshbandhu College
2021	Participation in a lecture “Infrared Spectroscopy: Fundamentals and Applications” on 08-04-2021 through online mode organized by Department of Chemistry, Deshbandhu College
2020	Participation in 4 day online Nav Bharat Nirman-Building of the new India as a part of India International Science Festival 2020(IISF2020) organised by Ministry of Science and Technology ; Ministry of earth science, and Ministry of health and family welfare government of India in collaboration with Vijnana Bharti(VIBHA) by CSIR during 22 December-25 December 2020
2020(FDP)	Participation in 5 day online faculty development programme on GChem Paint webinar remotely organized by Rajdhani College and conducted by spoken tutorial project, IIT BOMBAY during 29 July-3 August 2020.
2020	Participation in a 2-day seminar on 'Savarkar Sahitya Sammelan' organized by Savarkar Darshan Pratishthan held at Ambedkar International Centre, Delhi during February 26-27 2020.
2014	Poster Presentation in the 16 th CRSI National Symposium in Chemistry held at IIT Bombay, Powai, Mumbai during February 7-9, 2014.
2013	Poster Presentation in Workshop/Conference organised by the Department of Chemistry, University of Delhi on Emerging Trends in Development of Drugs and Devices between January 21 -23, 2013.
2013	Participation in workshop organized by Delhi University Library System on Information Literacy and Competency on January 17, 2013.
Research Projects (Major Grants/Research Collaboration)	

Awards and Distinctions
Association With Professional Bodies
Other Activities
TEACHER COORDINATOR OF UNNAT BHARAT ABHIYAAN UNIT OF DESHBANDHU COLLEGE

Shwani Singh

20-06-2022

Signature of Faculty Member