



ZAKIR HUSAIN DELHI COLLEGE
(University of Delhi)

Faculty Details

(Please Fill the form and Email it to website@zh.du.ac.in)

Title	First Name	Last Name	Photograph
Dr.	Sarita	Passey	
Designation	Professor		
Address	Department of Chemistry, Zakir Husain Delhi College, JLN. Marg, New Delhi-110002		
Phone Number	Office	011-23233420	
	Residence	011-42421024	
	Mobile	9811177604	
Email Id	spassey@zh.du.ac.in		
Web Page	--		
Educational Qualification : B.Sc (H), M.Sc. (Chem), PhD			
Degree	Institution	Year	
Graduation, B.Sc.(Hons)	St. Stephens college University of Delhi,	1988	
Post- Graduation, M.Sc	St. Stephens college University of Delhi,	1990	
Ph.D	University of Delhi	1997	
Career Profile			
Designation	Teaching Experience	Institution	
Professor	28 Years	Zakir Husain Delhi College, University of Delhi	
Administrative Assignments			

- IQAC Committee –Member
- Garden and Greening Committee: Member
- Azadi Ka Amrit Mahotsav Committee-Nodal Officer
- Organized Tree Plantation in the College under: Shatabdi Vriksharopan 2022, DU
- Dept. of Chemistry, Teacher-in-charge:1998-99 and 2013-14
- Arts and Culture Society: Member
- Media Coordination Committee: Convenor
- Media Coordination Committee: Member
- Convocation Committee: Convenor
- Canteen Committee: Member
- Delhi College Lecture Committee: Member
- Anti-Ragging Committee: Member
- Nodal person for NII- Zakir Husain Delhi College Science Setu Program
- S.P. Suri Memorial Awards Committee: Convenor
- Science Magazine ‘SPECTRUM’ Editorial Board

Areas of Interest / Specialization

Synthetic Organic Chemistry and developing an environment friendly approach to organic teaching laboratory.

Subjects Taught

B.Sc. (Hons) and B.Sc.(Prog) - Organic Chemistry

B.Sc. (SEC) Chemistry of Cosmetics & Perfumes,

B.Sc. (H) Chem, Green Chemistry

Research Guidance

None

Publications Profile

1. Preparation and some reactions of ω -Chloro Derivatives of Aleuritic Acid and related compounds, G.B.V.* & Sarita Passey, Indian Journal of Chemistry 1998, 37B, pp. 23-27

2. Some aspects of the chemistry of Lac-Resin, Sarita Passey, Somdutta Sen & G.B.V*,
Journal of Indian Chemical Society, 1998, 75, pp. 575-579
3. An efficient procedure for Microscale synthesis of Semicarbazones, Sangeeta P, Samta G , Nadira Arif & Sarita Passey
Journal of Chemical Education (ACS), 2004, 81, p. 108
4. A Convenient Microscale Synthesis of α - and β -Glucopyranose Penta acetates, Sangeeta P, Samta G & Sarita Passey,
The Chemical Educator, 2007, vol. 12. No. 6, p 402-408
5. A Simple Test to Distinguish between D-Glucose and D-Fructose, S.Pandita, S.Goyal, N. Arif and Sarita Passey, Resonance, Journal of Science Education, 2007, vol. 12. No. 4, p 92
6. Distinguishing Between Monosaccharides and Disaccharides, Sangeeta P and Sarita Passey, Resonance, Journal of Science Education, 2010, vol. 15. No. 12, p 1122-1126
7. A Safe Procedure for Bromination of Acetanilide, Sangeeta P and Sarita Passey, Resonance, Journal of Science Education, 2013, vol. 18. No. 3, p 282-284
8. BODMEL: A compact apparatus for simple distillation, boiling point and melting point determination, Sangeeta P and Sarita Passey
Journal of Laboratory Chemical Education, 2014, Vol 2. No. 3, p 50-52
9. Use of weeds and agro-based raw materials and their blends for handmade paper making, Sangeeta P , Babeeta Kaula and Sarita Passey, DU e-Journal of UG Research & Innovation, 2015, Vol 1. No. 3, p 169-179
10. Schiff's Bases as Potential Mapping agents for Iron Traces on Skin, Krishan Kumar Arora and Sarita Passey, International Journal of Trend in Scientific Research and Development, 4(6),1479-1481,2020
11. Use of a Fluorescent Schiff's Base as Developing Agent for Latent Finger Prints, Krishan Kumar Arora and Sarita Passey, International Journal of Trend in Scientific Research and Development, 5(1), 625-627, 2020
12. Developing Latent Fingerprints on Wet Surfaces with a Fluorescent Schiff's Base as SPR, Krishan Kumar Arora , Sarita Passey and Ruby Mishra, International Journal of Trend in Scientific Research and Development, Volume-5 (6), October 2021, pp.237-239,
13. Safe and green- A Convenient Laboratory Preparation of Acetanilide, Sarita Passey and Krishan Kumar Arora, Resonance, Journal of Science Education, 2022, vol. 27. No.3, p 455-457

➤ **2018-19:**

1. Organizing Secretary for Chemistry Career Symposium- MOSAIC organized by Royal Society of Chemistry and Department of Chemistry, Zakir Husain Delhi College

➤ **2020-21:**

1. Organizing Committee member for conducting One Week National FDP on “Towards Quality Higher Education through NEP-2020 organized by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MHRD
2. Organizing Committee member for Faculty Induction Programme organized by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MHRD
3. Organizing Secretary for FDP: Digital Tools for 21st Century: Word Processing & Spreadsheets organized by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MHRD
4. Organizing Secretary for FDP: Enhancing Quality of Chemistry Education in India organized by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MHRD

2021-22 :

1. Organizing team member for talk-cum-workshop on “A Route to Roots” organized by Garden and Greening Committee, Zakir Husain Delhi College
2. Organizing committee member for IPR Awareness Programme (NIPAM) organized by IQAC and Botanical Society ‘Nargis’ Zakir Husain Delhi College.
3. Organizing committee member for National Faculty Development Program on ‘Building Academic Leaders for 21st Century in Higher Education organized by GADTLC of MHRD Under PMMMNMTT, SGTB Khalsa College, University of Delhi
4. Organizing Committee member for National Webinar on “The Importance of Data Visualization organized by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MHRD
5. Organizing Committee member for Advanced Online Refresher Course/Two-Week Faculty Development Program on “Data Visualisation with Tableau organized by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MHRD
6. Organizing Committee member for One-Week Online National Faculty Development Program on “Developing Positive Mental Health for Teaching Learning Environment by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MHRD
7. Convenor for online National Webinar on “Better Living Through Green Chemistry” organized by Zakir Husain Delhi College
8. Convenor for online National Webinar on “Achieving Excellence in Chemistry in India in the 21st Century : Challenges and Opportunities”. Organized by Zakir Husain Delhi College

➤ **2022-23**

1. Presented a paper and awarded IInd position in an International Conference on 'Emerging Trends in Higher Education' on the topic "Mental Health: A Challenge in Higher Education" organized by GAD-TLC of Ministry of Education, SGTB Khalsa College, University of Delhi under PMMMNMTT and UK Awards Education Excellence, NTPC Group of colleges UK.
2. Member of the Organizing Committee in One-Week Online National Faculty Development Program on "Teachers as Mentors for Student Internships on "Cancer Awareness" organized by GAD-TLC of SGTB Khalsa College and Indian Cancer Society Under PMMMNMTT of MOE.
3. Co-Coordinator in One-Week National Faculty Development Program on "Safer and Greener Chemistry Labs" organized by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MOE.
4. Organizing Secretary for Faculty Development Program: "Development of MOOCs, e- Content and Teacher's e-Kit in Four Quadrant Format " by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MOE.
5. Co-Coordinator for FACULTY INDUCTION PROGRAM (FIP) /Orientation Course GAD-TLC of SGTB Khalsa College by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MOE.
6. Co-Coordinator in One-Week National Faculty Development Program on MOOCs and e- Content Development by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MOE
7. Co-Coordinator for FACULTY INDUCTION PROGRAM (FIP) /Orientation Course organized by GAD-TLC of SGTB Khalsa College Under PMMMNMTT of MOE

Research Projects (Major Grants/Research Collaboration)

- ❖ Design, Fabrication and Testing of small scale kit for Qualitative Organic Analysis Funded by UGC in 2001-2003
- ❖ Developing Environment-friendly Approach to Undergraduate Organic Teaching Laboratory funded by UGC in 2008-2010
- ❖ A project entitled "Use of Innovative Raw Materials for Handmade Paper Making" was granted in 2013-14 with project code as :ZH-204 Under Innovation Projects- University of Delhi

Awards and Distinctions

Recipient of K.B.L.Mathur Gold Medal for standing first in Organic Chemistry in M.Sc in University of Delhi

Association With Professional Bodies

Life Member, Indian Society of Analytical Scientists

Other Activities

- Working group member for revision of syllabus in UGC-LOCF for CBCS mode
- Development of MCQs for Question Bank for ASLAP Portal of AICTE
- Developed 13 modules for Teacher's E-Kit for Guru Angad Dev Teaching Learning Centre, MHRD
- Developed e-content for CBSE, Class XII
- Developed e-content for CBSE, Udaan (JEE Mains)
- Developed e-content for NCERT, Class XI
- Developed 1 module in 4 quadrants for ARPIT for University teachers
- Resource Person at various FDP's and workshops