




Faculty Details proforma for DU College Web-site



Title	DR	First Name	POOJA	Last Name	BHAGAT	Photograph
Designation		Associate Professor				
Address		Acharya Narendra Dev College Govind Puri, Kalkaji New Delhi-110019.				
Phone No Office		011-26412547, 011-26293224, 011-26294542				
Residence						
Mobile						
Email/		poojabhagat@andc.du.ac.in				
Web-Page		https://linkedin.com/in/drpoojabhagat				
Educational Qualifications						
Degree		Institution			Year	
Ph.D. Organic Chemistry		University of Delhi			1993-97	
M.Sc. Organic Chemistry		University of Delhi			1991-93	
B.Sc.(Hons.) Chemistry		University of Delhi			1988-91	
Career Profile						
<p>Dr Pooja Bhagat has over 26 Years of teaching experience. She is a recipient of Prof. R. P. Mitra Gold Medal for securing overall top position in M. Sc. Chemistry and Prof K. B. L. Mathur Gold Medal for obtaining highest score in M. Sc. examination with Organic Chemistry as her specialization. She has authored several books in Chemistry and has a number of research publications to her credit. She is guiding students for research projects and is also developing e-content for undergraduate courses. She is actively involved as a resource person in various projects of NCERT and is College Convener for Unnat Bharat Abhiyan (UBA).</p>						
Administrative Assignments						
<ul style="list-style-type: none">• College Coordinator Exams• Convener Admission Committee• Staff Council Secretary• Convener UBA• Convener, Orientation Day• Convener Internal Assessment• Convener Orientation day• Co-convener Orientation day• Joint Convener, Annual Report						

- Joint Convener, Academic Events Management
- Co-convener, NSS
- Co-convener, UBA
- Teacher-in Charge of Chemistry for 2 terms
- Teacher-in Charge of Physical Sciences
- Superintendent Annual Practical Examination for 2 years,
- Member of Selection Committee for 2 terms
- Member of Governing Body for 2 terms
- Member of Proctorial Committee,
- Deputy superintendent theory examinations,
- Prize & Fellowship Committee,
- Work-load & timetable Committee,
- Library Committee,
- Faculty Enrichment Committee,
- Admission Committee,
- Departmental Purchase Committee,
- Maintenance Committee
- Alumni Committee
- Internal Assessment Committee
- College Development Committee

Areas of Interest / Specialization

Organic Chemistry

Subjects Taught

1) Organic Chemistry in :-

- B.Sc. (Honours) Chemistry I, II and III Year
- B.Sc. (Programme) I and III Year
- B.Sc.(Honours) Physics I year
- B.Sc.(Honours) Botany, Zoology and Biomedical Sciences, GE paper
- B.Sc. Physical sciences and Life Sciences, II and III semester

2) Bio-organic Chemistry in B.Sc. (Honours) Chemistry , V Semester, III Year

Research Guidance

- **Co-Investigator in a project entitled** 'Microbiological analysis of Leachate collected from Okhla dumping site, Delhi' under DBT Star College Project Scheme (2019-20).
- **Co-Investigator in a project entitled** 'Physicochemical and Biological Analysis of Leachate from Okhla Landfill' under DBT Star College Project Scheme (2018-19).
- **Co-Investigator in a project entitled** 'Study of Regeneration in Ciliates' under DBT Star College Project Scheme (2017-18).
- **Co-Investigator in a project entitled** 'Design, synthesis and biological evaluation of oxindole-based isoxazolines towards the analog synthesis of marine natural product Flustraminol-B'

funded by University of Delhi under DU Innovation Project Scheme (2015-16) ; ANDC-306

The Project was awarded as the Most Promising Innovation during the Research Display at the Convocation Ceremony held on November 19, 2016.

Publications Profile

Books Published:

- 'Engineering Chemistry' by M M Uppal and **Dr. Pooja Bhagat** (2015)
- Understanding Chemistry through Assertions & Reasons by Prof. V. K. Ahluwalia and **Dr. Pooja Bhagat** (2008)
- How to Face Chemistry by Dr. Sunita Hooda, Dr. Seema Gupta & **Dr. Pooja Bhagat** (A book for Class XI) (2006)
- Multiple Choice Questions for Medical Entrance by Prof. V.K. Ahluwalia & **Dr. Pooja Bhagat** (2006)
- Laboratory Techniques in Organic Chemistry by Prof. V.K. Ahluwalia, **Dr. Pooja Bhagat** and Dr. Renu Aggarwal (2005)
- Intermediates for Organic Synthesis by Prof. V.K. Ahluwalia, **Dr. Pooja Bhagat**, Dr. Renu Aggarwal and Prof. Ramesh Chandra (2005)

Publications in peer reviewed Journals:

- A facile synthesis of 3,5-dialkyl/diaryl-4-aryl-8-(4-methylphenyl)-1,7-diphenyl-1H,4H,7H,8H-dipyrazalo[3,4-b:4',3'-e]pyridines. *V.K. Ahluwalia, Pooja Sharma & Bindu Goyal*, Ind. J. Chem. **36B**, 1059 (1997)
- Synthesis of some new 2-(pyrazol-1-yl)-4-(pyrimidin-5-yl)thiazoles. *V.K. Ahluwalia, Pooja Sharma, Bindu Goyal & Renu Aggarwal*, Ind. J. Chem. **36B**, 920 (1997)
- A novel method for the synthesis of 2-amino-4-aryl-3-cyano-1,4,5,6,7,8-hexahydro-7,7-dimethyl-5-oxo-N-phenylethylquinolines. *V.K. Ahluwalia, Pooja Sharma & Bindu Goyal*, Ind. J. Chem., **36B**, 169 (1997)
- Synthesis of 3-[1,3-diaryl-1,2,3,4,5,6-hexahydro-4,6-dioxo-2-thioxopyrimidin-5-yl]-2H-[1,4]-benzothiazines. *V.K. Ahluwalia, Pooja Sharma & Renu Aggarwal*, J.Chem. Research, **1**, 16 (1997)
- A convenient synthesis of some new pyrano[2,3-d]pyrimidines. *V.K. Ahluwalia, Pooja Sharma and Renu Aggarwal*, Ind. J. Chem., **35B**, 1205 (1996)

e-Tutorials on YouTube

Published following 19 Video Tutorials on **Youtube** for the benefit of students

(<https://www.youtube.com/drpoojabhagat>):

S.No.	Name of the Video	URL
1	Detection of Extra Elements in Organic Compounds-Demonstration	https://youtu.be/DCCXOcD6KPg
2	Detection of Extra Elements in Organic Compounds-Instructions	https://youtu.be/D9o0c9pPFfc
3	Aldol Condensation, Part-1	https://youtu.be/Un4tLs7SqoY
4	Aldol Condensation, Part-2	https://youtu.be/dbSO6FnyPjE
5	Intramolecular Aldol Condensation	https://youtu.be/IGYhlZ75jDU
6	Cannizaro Reaction	https://youtu.be/8nhtDrV1KrQ
7	Nucleophilic Addition Reactions of Carbonyl Compounds	https://youtu.be/fCEwt9PTqJY
8	Reactions of Carbonyl Compounds with Ammonia and its Derivatives	https://youtu.be/49jRYqR4uvf
9	Pyrimidines in Nucleic Acids	https://youtu.be/f1sEH_gnlcM
10	Purines in Nucleic Acids	https://youtu.be/OtAvUEPNehE
11	Haloform Reaction	https://youtu.be/cFzbo4tKwUw
12	Nucleic Acids	https://youtu.be/dkL_Uc6L29A
13	Tests to Distinguish Aldehydes and Ketones	https://youtu.be/CUkYF8m8yT8
14	Nomenclature and Classification of Enzymes	https://youtu.be/wljSQuzOkQg
15	Introduction and Properties of Enzymes	https://youtu.be/2zXmOtpJCZM
16	Factors affecting Enzymatic Activity	https://youtu.be/J4sD7gzGqzg
17	Mechanism of Enzyme Action	https://youtu.be/NjkY1BAnHOY
18	Serine Proteases	https://youtu.be/JLhr6ngfCno
19	Mechanism of Trypsin Action	https://youtu.be/XFypFDnSaD4

Conference / Presentations /Workshops

Conferences /Workshops Conducted

- Organized a two days 'hands on training' workshop for the skill development of the interested residents of the adopted area, Govindpuri under the aegis of UBA from March 01-02, 2021.
- Organized a Webinar with NSS unit of the College on 'Mera Sangharsh , Meri Jeet, Meri Kahani' Cancer Survivors sharing their Journey (the actual stories of Breast Cancer Viranis) on October 23, 2020.

- Invited Speaker in a Webinar on NEP 2020 at Rajkiya Balika Inter College, Sector 51, Noida on New Education Policy 2020, September 28, 2020.
- Organized a Webinar on NEP 2020 with NSS unit of the College for UBA and NSS volunteers at ANDC on September 21, 2020.
- Member, organizing committee in a one day Inter-disciplinary Exhibition on 'New Frontiers in Science' under the aegis of DBT Star College Scheme at ANDC on October 15, 2019.
- Co-coordinator for a 3-day national symposium on 'Contemporary Environmental Concerns 2018' organized by ANDC from March 15-17, 2018.
- Member, organizing committee for a two day symposium on 'Safety Measures and Laboratory Ethics' organized by ANDC from February 21-22, 2018.
- Member, organizing committee of National Symposium on 'Chemistry in Biology: The future of Life Sciences' organized by ANDC from February 12-13, 2010.
- Member, organizing committee of conference on 'Recent developments in Carbohydrate Chemistry', organized by Department of Chemistry from November 26-29, 2006.
- Member, organizing committee of National Symposium on 'Biotechnology – Expanding Horizons' organized by ANDC, November, 2004.

Oral/ Poster Presentation in International/National Conferences

- Pranjali Sharma, Deepika Joshi, Swati Maurya, Jeeva Susan Abraham, S. Sripoorna, **Pooja Bhagat**, Ravi Toteja, Renu Gupta, Seema Makhija (2019) Ciliates as bioindicators of Leachate at Health: Future Perspective. Biotechnology in present era: Impact on human life and environment, presentation in national conference held at Maitreyi College, University of Delhi.
- Sahu, H. V; Garg, V; Khushboo; Somasundaram, S; Abraham, J. S; Maurya, **Bhagat, P.**, S; Makhija, S; Toteja, R. and Gupta, R. (2018) A study on the process of regeneration in ciliate, *Tetmemena* sp. , presentation in International Symposium on Ciliate Biology (ISCB), University of Delhi at India Habitat Centre, New Delhi, Delhi, India.
- Harshit Arora, Sandeep Gupta, Aparna Shandheep, Srishti Vajpayee, Sumit Tiwari, Kanika Arora, Rajeev Kumar, Nitin Mittal, Komal Mewari, Seema Gupta, **Pooja Bhagat**, Kallolmay Biswas and Gagan Dhawan 'One Pot Synthesis and Antimicrobial Activity of Oxindole-Based Spirocyclic Isoxazolines' Poster presentation at National conference on Recent Advances in Biomedical Science: Diagnosis & Research and 2nd Annual Schola's Meet at SBMLS organised by The Society of Biomedical Laboratory Scientists, India held at Gandhi Peace Foundation, University of Delhi on December 16, 2016.
- Arora H., Vajpayee S., Shandheep A., Tiwari S., Gupta S., Kumar R., Arora K., Mittal N., Mewari K, Gupta S., **Bhagat P.**, Biswas K and Dhawan G. 'Design, synthesis and biological evaluation of oxindole- based isoxazolines towards the analog synthesis of marine natural product Flustraminol-B' Poster presentation at Innovation Conclave-2016, Nurturing Research at the UG level held at Acharya Narendra Dev College (University of Delhi) during October 25-26, 2016.
- Vajpayee S., Shandheep A., Arora H., Tiwari S., Gupta S., Kumar R., Arora K., Mittal N., Mewari K., Gupta S., **Bhagat P.**, Biswas K. and Dhawan G. 'Synthesis and biological analysis of oxindole-based isoxazolines leading to analog synthesis of marine natural product Flustraminol-B with prime biological significance' Oral presentation at International conference on 'Green Chemistry

in Environmental Sustainability & Chemical Education'- ICGC 2016 held at Department of Chemistry, Daulat Ram College from November 17-18, 2016.

- Shandheep A., Vajpayee S., Arora H., Tiwari S., Gupta S., Kumar R., Arora K., Mittal N., Mewari K., Gupta S., **Bhagat P.**, Biswas K. and Dhawan G. 'Design, synthesis and biological evaluation of oxindole-based isoxazolines towards the analog synthesis of marine natural product Flustraminol-B' Poster presentation at International conference on 'Green Chemistry in Environmental Sustainability & Chemical Education'- ICGC 2016 held at Department of Chemistry, Daulat Ram College from November 17-18, 2016.
- Paper presentation in 84th Indian Science Congress at Delhi, January 03-08, 1997.
- Poster presentation in International Symposium on 'Perspectives in Bioorganic Chemistry' at Delhi, December 08-09, 1994.

Conferences / Workshops Participated

- Online Workshop on 'Read & Publish and Author's Publishing Journey' organized by Cambridge University Press and University of Delhi on July 08, 2021.
- Online Workshop on 'A closer look at re-designing experiments for undergraduate chemistry laboratories' organized by Homi Bhabha Centre for Science Education (HBCSE), June 17-18, 2021.
- Webinar on 'Managing Life in Covid Times Yoga Shows the Way', organized by Acharya Narendra Dev College, University of Delhi, May 29, 2021.
- Webinar on 'Guided virtual tour to the higher educational institutions for undergraduate students' organized by Department of Chemistry, ANDC, under the aegis of DBT STAR, February 19, 2021.
- Webinar on 'Career Opportunities After Graduation' organized by Abhikriya –A chemical Society, November 12, 2020.
- Webinar on 'Participatory and Sustainable Rural Development – An Experiment in Jhabua, Madhya Pradesh' by PADMA SHRI Mahesh Sharma, organized by National Coordinating Institute, IIT Delhi, UBA, October 16, 2020.
- Launch of CSIR Technologies for Rural Development, a Joint Initiative of CSIR, UBA, and VIBHA on 40th Foundation Day of CSIR-NISTADS on September 30, 2020. The ceremony was inaugurated by Honorable Minister –S&T, GOI.
- Webinar on National Education Policy 2020 organized by National Coordinating Institute, IIT Delhi, UBA, September 16, 2020 .
- Webinar on 'Understanding Various Modes of Tribal Development Protecting their Indigenous Culture from External Influence -3' organized by National Coordinating Institute, IIT Delhi, UBA, August 29 , 2020.
- Webinar on 'Yoga, Asana and Meditation to Boost Immunity', organized by Department of Physical Education and Sports, Acharya Narendra Dev College, University of Delhi, July 21, 2020.
- Dr. Saumya Saxena Memorial Lecture entitled 'Matrix of Multicellular Life: How cell adhesion regulates cell function' organized by Department of Botany, Acharya Narendra Dev College, July 16, 2020.

- International webinar on 'Covid -19: Truths and Myths' organized by Internal Quality Assurance Cell, Acharya Narendra Dev College, June 09, 2020.
- National webinar on 'Our Environment and Covid -19', organized by Eco Club 'Paritantra', Acharya Narendra Dev College, June 05, 2020.
- National Webinar entitled 'Open Educational Resource', organized by Department of Chemistry, Gargi College, May 21, 2020.
- Webinar on 'Covid 19 Impact: Strategies for Education and Challenges in Virtual Learning' organized by Department of Chemistry, Acharya Narendra Dev College, under the aegis of DBT Star Project, May 20, 2020.
- Seminar on 'Challenges in Safe Disposal of Chemical Waste in Academia & Research Laboratories' conducted by Department of Chemistry, University of Delhi, February 23, 2019.
- Workshop on 'Anxiety at Workplace' organized by ANDC, August 25, 2017.
- International Conference on 'Emerging Trends of Nanotechnology in Drug Discovery' jointly organized by Sri Venkateswara College, University of Delhi and CQM, University of Madeira, Portugal, May 26-27, 2014.
- National Symposium and Workshop on 'Fingerprint Technology' organized by SGTB Khalsa College, University of Delhi, February 04-05, 2014.
- Workshop on 'Open Science for Higher Education and Research' organized by UDSC, New Delhi, October 03, 2013.
- International Conference on 'Open Paradigms in Education' organized by ANDC, University of Delhi at India International Centre, New Delhi, January 31 to February 02, 2011.
- Workshop on 'Chemistry Lab Safety Awareness' organized jointly by ILL, University of Delhi & Centre for Fire, Explosive & Environment Safety, DRDO, Ministry of Defence, August 31, 2010 at ILL.
- National Symposium on 'Challenging areas in Forensic Science' organized by Department of Chemistry, SGTB Khalsa College, February 05, 2010.
- The three-week workshop entitled 'Easy Now' organized by ANDC from September 12, 2009 to October 09, 2009.
- Workshop on 'Linux and Free-Open Source Softwares' conducted by ANDC, December 06-07, 2007.
- International Symposium on 'Green/Sustainable Chemistry' organized by Department of Chemistry, University of Delhi, January 10-13, 2006.
- National Seminar organized by Indian Society of Analytical Scientists, Delhi Chapter, September 17, 2005.
- National Seminar on 'Emerging Areas of Forensic Science' organized by Department of Chemistry, SGTB Khalsa College, December 04-06, 2004.
- National Seminar on 'Recent Trends in Chemistry' organized by Department of Chemistry, Maitreyi College, September 22-24, 2004.

- A training course on 'Computer Concepts' conducted by Delhi University, Computer Center, May 08-18, 2001.

Awards and Distinctions

- Prof. R.P. Mitra Gold Medal for 1st position in M.Sc. Chemistry in Delhi University
- Prof. K.B.L. Mathur Gold Medal for 1st position in M.Sc. Organic Chemistry in Delhi University
- Merit Certificate and prize by Delhi University Student Union in 1994 for 1st position in M.Sc. Chemistry
- Merit Certificate and prize by Hindu College, University of Delhi, Delhi for 1st position in M.Sc. Chemistry (Previous and Final) Delhi University, Delhi
- Lala Bhagwan Das Goel Memorial Scholarship in M.Sc. (Final)
- Science Meritorious Award in M.Sc. (Previous) and M.Sc. (Final)
- Scholarship by Delhi Administration, Government of Delhi in M.Sc Chemistry (Previous)
- Science Meritorious Award in B.Sc. Chemistry (Hons.) for 1st and 3rd Year.
- Qualified Joint CSIR-UGC National Eligibility Test for JRF and Eligibility for Lectureship in 1993.

Association With Professional Bodies

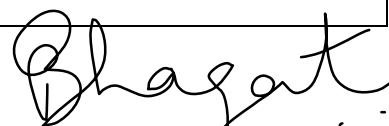
- Life member of Indian Science Congress
- Life member of Indian Society of Analytical Sciences.
- Life member of Association of Chemistry Teachers

Other Activities

Creative Positions/ Resource Person/ Subject Expert:

- Worked as a Resource Person in the workshop for 'Development of Items to measure each Learning outcome in Science at secondary Stage (Classes IX and X)' conducted by the Department of Education in Science and Mathematics (DESM), NIE, NCERT, March 15-19, 2021.
- Worked as a Subject Expert in setting Test Items for NCERT, February 2021.

- Worked as a Resource Person in the Workshop to Vet Enriched Scripts for NCERT MOOCs on SWAYAM, organized by CIET-NCERT from December 30, 2019 to January 03, 2020.
- Worked as a Subject Coordinator in an Interdisciplinary Workshop on 'Learning Science by doing science' for ELITE students organized by Department of Zoology, Physics, Botany and Chemistry of ANDC under the aegis of DBT Star College Scheme from June 18-22, 2019.
- Worked as a Resource person in the workshop titled 'Development of Modules of Training Package in Chemistry for Teachers Teaching at Higher Secondary Stage in Online Format', organized by Department of Education in Science and mathematics, NIE, NCERT from August 27-31, 2018.
- Worked as a Subject Expert in developing Test items in the area of sciences, NCERT from November 27 to December 01, 2017.
- Worked as a Subject Expert in the Workshop 'Development of Training Package in Chemistry at Higher Secondary Stage' organized by Department of Education in Science & Mathematics, NCERT from March 18-21, 2014.
- Worked as a Subject Expert in the Workshop 'Development of Training Package in Chemistry at Higher Secondary Stage' organized by Department of Education in Science & Mathematics, NCERT from February 24-27, 2014.
- Worked as a Subject Expert in an Orientation Program organized by Department of Teacher Education & Extension, NCERT for PGT Chemistry of KVS through Videoconferencing during December 14-15, 2009.
- Worked as a Resource Person in a Programme entitled 'Development of Exemplar Problems in Chemistry' for Class XII at NIE Campus, NCERT from January 19-23, 2009.
- Worked as a Resource Person in a Programme entitled 'Development of Exemplar Problems in Chemistry' for Class XII at NIE Campus, NCERT from November 17-21, 2008.
- Worked as a Resource Person in a Programme entitled 'Development of Exemplar Problems in Chemistry' for Class XII at NIE Campus, NCERT from August 18-22, 2008.
- Worked as a resource person in Institute of Life Long Learning (ILL) for the development of Question Bank for B.Sc. Programme Part-III.
- Worked as paper setter & checker of Base line Examination in Chemistry (2003-2004 & 2004-2005).
- Worked as paper setter of Entrance Examination for the course of B.Sc. Biomedical Science (1999-2000).
- Worked as a Resource Person in a 3-Week Refresher Course in Chemistry (CH-51) conducted by CPDHE, University of Delhi, June, 1995.



Signature of Faculty Member