



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/ Web-Page		poojabhagat@andc.du.ac.in 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 25 Years of teaching experience. She is a recipient of Prof. R. P. Mitra Gold Medal for securing top position in 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.</p>						
Administrative Assignments						
<ul style="list-style-type: none">• Staff Council Secretary• College Coordinator Exams• Convener Admission Committee for 2 years• Convener Internal Assessment• Co-convener NSS• Convener Orientation day• Co-convener Orientation day• 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
- Member of Proctorial Committee
- Examination Committee
- 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, 2nd and 3rd semester

2) Bio-organic Chemistry in B.Sc. (Honours) Chemistry , 5th Semester, III Year

Research Guidance

- 1) **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.

- 2) **Co-Investigator in a project entitled** "Study of Regeneration in Ciliates" under DBT Star College Project Scheme (2017-18)
- 3) **Co-Investigator in a project entitled** "Physicochemical and Biological Analysis of Leachate from Okhla Landfill" under DBT Star College Project Scheme (2018-19)

Publications Profile

Books Published:

- 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)

- Multiple Choice Questions for Medical Entrance by Prof. V.K. Ahluwalia & Dr. Pooja Bhagat. (2006)
- How to Face Chemistry by Dr. Sunita Hooda, Dr. Seema Gupta & Dr. Pooja Bhagat. (A book for Class XI) (2006)
- Understanding Chemistry through Assertions & Reasons by Prof. V. K. Ahluwalia and Dr. Pooja Bhagat (2008)
- Engineering Chemistry" by M M Uppal and Dr. Pooja Bhagat (2015)

Publications in peer reviewed Journals:

1. 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)
2. 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)
3. 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)
4. 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)
5. 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)

Conference / Presentations /Workshops

Workshops Conducted

- 1) Acted as a resource person in a 3-Week Refresher Course in Chemistry (CH-51) conducted by CPDHE, University of Delhi, New Delhi in June 1995
- 2) Member of Organizing committee of National Symposium on Biotechnology - Expanding Horizons, New Delhi in November 2004.
- 3) Member of Organizing committee of International conference on Recent Developments in Carbohydrate Chemistry, New Delhi in November 2006.
- 4) Resource person in the Programme entitled 'Development of Exemplar Problems in Chemistry' for Class XII from 18th to 22nd August 2008 at NIE Campus, NCERT.
- 5) Resource person in the Programme entitled 'Development of Exemplar Problems in Chemistry' for Class XII from 17th to 21st November 2008 at NIE Campus, NCERT.
- 6) Resource person in the Programme entitled 'Development of Exemplar Problems in Chemistry' for Class XII from 19th to 23rd January 2009 at NIE Campus, NCERT.
- 7) Developed an e-content on 'Detection of Extra Elements in Organic Compounds' in 2009.
- 8) Subject expert in an Orientation Program organized by Department of Teacher Education & Extension, NCERT for PGT Chemistry of KVS through Videoconferencing during 14-15 December 2009.
- 9) A member of the organizing Committee of National Symposium on Chemistry in Biology: The Future of Life Sciences, Organized by Acharya Narendra Dev College on 12 -13 Feb 2010.
- 10) Resource person in the Workshop "Development of Training Package in Chemistry at Higher Secondary Stage" from 24 to 27 February 2014 organized by Department of Education in Science & Mathematics, NCERT, New Delhi.

- 11) Resource person in the Workshop "Development of Training Package in Chemistry at Higher Secondary Stage" from 18 to 21 March 2014 organized by Department of Education in Science & Mathematics, NCERT, New Delhi.
- 12) Subject expert in a 5-day Workshop for development of Test items in the area of sciences from 27th November to 1st December 2017 in NCERT, New Delhi.
- 13) Resource person in a 5-day workshop titled "Development of Modules of Training Package in Chemistry for Teachers Teaching at Higher Secondary Stage in Online Format", from 27th Aug to 31st Aug 2018 organized by Department of Education in Science and mathematics, NIE, NCERT, New Delhi.
- 14) Member of organizing committee for a two day symposium on 'Safety Measures and Laboratory Ethics' from 21st February to 22nd February 2018 at ANDC, New Delhi.
- 15) One of the coordinator for a 3-day national symposium on 'Contemporary Environmental Concerns 2018' from 15th March to 17th March 2018 at ANDC, New Delhi.
- 16) 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 Aegis of DBT Star College Scheme on June 18-22, 2019 at ANDC.
- 17) Member of organizing committee in a one day Inter-disciplinary Exhibition on "New Frontiers in Science" on 15th October, 2019, under the aegis of DBT Star College Scheme at ANDC.
- 18) Resource person in a 5-day Workshop on Vet Enriched Scripts for NCERT MOOCs on SWAYAM from 30th December 2019 to 3rd January 2020 organized by CIET-NCERT, New Delhi.

Conferences / Workshops Participated

- 1) Poster presentation in International Symposium on Perspectives in Bioorganic Chemistry at Delhi, 8-9th December, 1994.
- 2) Paper presentation in 84th Indian Science Congress at Delhi, 3-8th January, 1997.
- 3) A workshop on Easy now organized by ANDC from 5th to 9th Oct 2009.
- 4) National Symposium on Challenging areas in Forensic Science organized by Department of Chemistry, SGTB Khalsa College, 5th February 2010.
- 5) Workshop on "Chemistry Lab Safety Awareness" organized jointly by ILL, University of Delhi & Centre for Fire, Explosive & Environment Safety, DRDO, Ministry of Defence on 31st August 2010 at ILL.
- 6) International Conference on "Open Paradigms in Education" organized by ANDC, University of Delhi at India International Centre, New Delhi from 31st January to 2nd February, 2011.
- 7) Attended Workshop "Open Science for Higher Education and Research" held on October 3, 2013 at UDSC, New Delhi
- 8) Attended "National Symposium and Workshop on Fingerprint Technology" held on February 4-5, 2014 at SGTB Khalsa College, University of Delhi.
- 9) 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 on May 26-27, 2014.
- 10) Attended a workshop on 'Anxiety at Workplace' organized by ANDC on 25th August 2017.
- 11) Attended a seminar on "Challenges in Safe Disposal of Chemical Waste in Academia & Research Laboratories" conducted by Department of Chemistry, University of Delhi, Delhi-110007 on 23 February, 2019.
- 12) **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”- ICGC2016 held at Department of Chemistry, Daulat Ram College from 17-18 November, 2016.

- 13) 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 Scholar’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 .
- 14) 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 Scholar’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 .
- 15) 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.
- 16) Pranjal Sharma, Deepika Joshi, Swati Maurya, Jeeva Susan Abraham, S. Sripoorna, **Bhagat, P.**, 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.

Awards and Distinctions

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

Association With Professional Bodies

- 1) Life member of Indian Science Congress
- 2) Life member of Indian Society of Analytical Sciences.
- 3) Life member of Association of Chemistry Teachers

Other Activities

NCERT Assignments

- Worked as an expert in Developing Exemplar Problems in Chemistry for Class XII, NCERT in 2008.
- Worked as an expert in Developing Training Package in Chemistry at Higher Secondary Stage for Class XI & XII, NCERT in 2014.
- Worked as an expert in developing Test items in the area of sciences, NCERT in 2017.
- Worked as a Resource person in developing Modules of Training Package in Chemistry for Teachers Teaching at Higher Secondary Stage in Online Format, NIE, NCERT in 2018.
- Worked as a Resource person in the Workshop to Vet Enriched Scripts for NCERT MOOCs on SWAYAM , CIET-NCERT, New Delhi in 2019.

ILLL Assignment (e-learning)

Worked as a resource person in Institute of Life Long Learning (ILLL) for development of Question bank for B.Sc. Programme Part –III.

e-Content Development

Developed e- content on 'Detection of Extra Elements in Organic Compounds' in Easy Now workshop held in AND college. (www.youtube.com/drpojabhagat)

Signature of Faculty Member