

Format for Academic and Personal Information



- 1. Name:** Dr. Chandana Mukherjee (nee Haldar)
- 2. Department:** Chemistry
- 3. Designation:** Associate Professor
- 4. Mobile No:** 9818563716
- 5. Email id:** chandana.mukherjee@gargi.du.ac.in
mukherjee_chandana16@yahoo.co.in
- 6. Residential Address:** H.No. 26, Plot No. 75,
 Navkranti Apartment, 9th Avenue,
 I.P. Extension, Patparganj Depot
 Delhi - 110092

7. Educational Qualifications:

Qualification	Title/Course	University	Year
Undergraduate	B.Sc.(Hons.) Chemistry	Delhi	1980
Postgraduate	M.Sc. Chemistry	Delhi	1982
Ph.D.	On Certain Aspects of Solid State and Solar Energy Problems	Delhi	1987
Post-doctoral research as Research Associate, UGC	Preparation and Measurement of Superconductivity and Magnetic Order in Chevrel Phase Compounds.	Delhi	March, 1988 to August, 1991.

8. Career Profile:

Teaching Experience in Years	Area of Specialization	Courses and Subjects Taught
32 years (Permanent + Temporary)	Inorganic Chemistry and Environmental Chemistry	M.Sc. – Inorganic Chemistry B.Sc.(Hons.)Chemistry – Inorganic Chemistry and Environmental Chemistry B.Sc.(Genl.)/(Prog) – Inorganic Chemistry

9. Staff Development Programmes: Attended and Organised

Refresher Courses / Orientation Programmes	<ul style="list-style-type: none"> • Refresher Course in Chemistry (CH – 78) entitled Current Developments in Chemistry conducted by Centre for Professional Development in Higher Education, University of Delhi from October 3 to October 23, 1996. • Refresher Course in Chemistry (CH – 81) entitled Chemistry Teaching and Human Life conducted by Centre for Professional Development in Higher Education, University of Delhi from May 12 to 31, 1997. • Refresher Course in Environmental Science conducted by Academic Staff College, Jawaharlal Nehru University from March 15 to April 9, 1999. • Refresher Course in Chemistry (CH – 90) conducted by Centre for Professional Development in Higher Education, University of Delhi from November 15 to December 5, 2000.
Summer/ Winter School Workshops	Contributed in Summer School (6th to 9th July,2010) Workshop for Science Students Organized by Gargi College Under Star College Scheme and Funded by Department of Biotechnology, Ministry of Science and Technology.
Any Other	Coordinator of Add – on – Course entitled Climate Change

	– Concerns, Actions and Career Paths during 2010 – 2012. (A short certificate course)
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10. Corporate Participation / Positions held

- Member of the Chemistry Department, Time – Table committee from 1999 – 2001.
- Member of the Chemistry Department Admission Committee during 2000 – 2002.
- Teacher – in – Charge of the Department of Chemistry from 2000 – 2002.
- Superintendent of University Chemistry Practical Examination held in the College during 2000 – 2002.
- Deputy Superintendent of annual University examination held in the College in 2003.
- Convenor of the Prize Committee during 2012 – 2013 and member of the prize committee from 2005 - 2015.
- Science Convenor of the Admission Committee for the academic year 2015 – 2016.
- Bursar from August, 2015 to date March, 2017.
- Convenor of Internal Assessment Committee during the academic year, 2015 – 2017.
- Member of the Chemistry Department, Time – Table committee during academic year 2016 – 2017.
- Member of the Chemistry Department Admission Committee during the academic year 2016 – 2017.
- Superintendent of University Chemistry Practical Examination held in the College during 2019 – 2020.
- Teacher – in – Charge of the Department of Chemistry from 2022 – 2023.
- Member of the Chemistry Department Admission Committee during 2022 – 2023.

- Convenor, Medical Committee, 2022 onwards and member of Medical Committee from 2019 – 2022.
- Convenor, Provident Fund Committee, 2022 onwards and member of Provident Fund Committee from 2018 – 2022.

11. Research Publications/Undertaken and Conference / Symposia / Workshops Attended / Organised.

- S. Lahiry and **C. Haldar**, *Proceedings of the 7th International Miami Conference, Florida held from December 9 – 12, 1984, volume – II.*
- S. Lahiry and **C. Haldar**, Use of semiconductor materials as sensitizers in a photochemical energy storage reaction, norbornadiene to quadricyclane, *Solar Energy, Vol. 37, No.1, p 71 – 73, 1986.* (International journal, peer-reviewed, ISSN: 0038-092X)
- S. Lahiry and **C. Haldar**, Self- reversed thermoremanent magnetization in manganese nodules, *Proceedings of the Solid State Physics Symposium held in G.B. Pant University, Pantnagar, December 20 – 23, 1986, Volume 29 c.* Organised by Board of Research in Nuclear Sciences, Department of Atomic Energy, Government of India.
- Attended National Training Workshop on Industrial Solar water Heaters organized by Department of Non-Conventional Energy Sources, Ministry of Energy, Government of India from February 9 – 11, 1987.
- Organised National seminar on Criminology and Forensic Science in December 1998, at Chemistry Department, Gargi College, University of Delhi.
- Attended National seminar on Chemistry, Environment and You – Challenges for the Future in September 2007, at Chemistry Department, Gargi College, University of Delhi.
- S. Bhanumati and **Chandana Mukherjee**, Chemistry on a green path – Green and Sustainable Chemistry, *Invention Intelligence, volume – 44,*

Number – 1, page – 3-7, 2009. National Research Development Corporation (A Government of India Enterprise ISSN: 0970-0056).

- **Chandana Mukherjee**, Malini Rajendran, Poonam Sharma and S. Bhanumati – Empowering Student Education in Chemistry with Novel Green Ideas and Tools paper presented in *13th Annual Green Chemistry and Engineering Conference held in Maryland, USA from June 23 – 25, 2009.*
- **Chandana Mukherjee**, Minakshi Bhardwaj and S. Bhanumati Reclaiming and Recycling Silver (a precious metal) from Lab Waste of Undergraduate Students paper presented in *13th Annual Green Chemistry and Engineering Conference held in Maryland, USA from June 23 – 25, 2009.*
- **Chandana Mukherjee** and S. Bhanumati, Removal of Toxic Metals (Lead and Mercury) from water sample Using a Biogenic Adsorbent published the project by Vigyan Prasar (Department of Science and Technology) under Chemistry activities during the International year of Chemistry – 2011.
- **Chandana Mukherjee** and S. Bhanumati, Removal of Mercury from Aqueous System using an Adsorbent from an uncommon source. Paper was accepted for presentation at the *14th Annual Green Chemistry and Engineering Conference held at Washington DC during June, 2010* and it was appreciated by Department of Environment Protection Bureau of Waste Management, (USA) Harrisburg, PA.
- Green Chemistry Letters and Reviews, Yale University (USA) invited to review a manuscript entitled “Removal of Toxic dichlorophenol from water by sorption with chemically activated carbon of almond shells – a green approach” the paper was reviewed and modified.

- **Chandana Mukherjee**, Man Singh and S. Bhanumati, Comparative study of ionic interactions of 1 : 1 and 1 : 2 electrolytes of nitrate salts solutions with water analysed with physicochemical data, *Physics and Chemistry of Liquids*, Publisher Taylor & Francis U.K. Volume 50, Issue 5, 2012 pages 617-629. (International journal, peer-reviewed, ISSN:1029-0451)
- **S. Bhanumati** and Chandana Mukherjee, Initiatives in Undergraduate Education by “GGrASP, *Journal of Teaching and Education CD – ROM Volume 01, Number 02, 2012* (International journal, Scopus indexed, ISSN:2165-6266)
- Attended National Conference on Women, Environmental Education and Climate Change organized by All India Foundation for Peace and Disaster Management supported by The American Centre, New Delhi from 28 – 29 May, 2010.
- Himani Chauhan, **Chandana Mukherjee**, Manisha Singla, Dorothy Sachdeva, Priyanda Giri, Silpy Lamba, Synthetic polymer nano-film coating efficacy evaluation in prevention of chemical induced corrosion of monuments, *Journal of Materials Nanoscience volume-10,page number-602-*, 2023 (International journal, Scopus indexed, ISSN 2394-0867).

12. Any Other

- Conducted Chemistry Practical for the students of Indira Gandhi National Open University.
- Set the Question papers on Environmental Chemistry for the students of Indira Gandhi National Open University.
- Invited as a resource person to prepare the question bank on Environmental Chemistry by Indira Gandhi National Open University.
- Member of the Course Revision Committee, CLT – 103 Laboratory Techniques in Chemistry, Indira Gandhi National Open University, School of Sciences.

- Member of the Course Revision Committee, CLT – 103 Basic Experiments in Chemistry, Indira Gandhi National Open University, School of Sciences.