

**Dr. MAMTA SHARMA**  
**Assistant Professor (Contractual)**  
Department of Chemistry  
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**DOB: 2<sup>nd</sup> March 1969**



#### Educational Qualifications

- **Ph.D.in Synthetic Organic Chemistry**  
Department of Chemistry, Kurukshetra University, Kurukshetra, Haryana. (2001)  
Thesis: *Synthesis and Spectral Studies of Heterocyclic Compounds Synthesis of some Isoquinolinones Indenoquinolines Indenopyranopyranones and Indenobenzothiazepines.* Ph.D. Supervisor: Dr.S.N.Dhawan.(K.U.K)
- **Advanced Certificate Program in Clinical Research (ACCR<sup>®</sup>),**  
Scientific Writing & Creation of Essential Documents, from Catalyst Clinical Services Pvt. Ltd., Delhi-110009(2009-2010)
- **General Course on Intellectual Property - WIPO WORLDWIDE ACADEMY,** March 2007
- **Bachelor of Education(B.Ed.)**  
Annamalai University , Annamalai Nagar, Tamil Nadu, May 1995
- **M.Sc (Organic Chemistry) – D.S.B. Constituent College,**  
Kumaon University, Nainital , India-263001 (1990-1992)
- **Bachelor of Science (Medical) - D.S.B. Constituent College,**  
Kumaon University, Nainital , India-263001 (1987-1990)

#### Teaching/Research Experience

- 18 July 2023 – till date  
**Contractual Lecturer in, Chemistry, Industrial Chemistry and Applied Chemistry (Pharmaceutical)** in Department of Chemistry, GGDSD College, Chandigarh, India -160030
- 17 July 2013 – 28 April 2023  
**Adhoc Lecturer in Chemistry and Applied Chemistry (Pharmaceutical)** in Department of Chemistry, GGDSD College, Chandigarh, India -160030
- 2008 -2012  
**R&D Scientist in Synkrom Healthcare Pvt. Ltd.** Chandigarh, India -160030
- 21July -2006 to 31 May 2007  
**Contractual lecturer in Chemistry** in Department, National Institute of Technology, Kurukshetra, Haryana,136118
- 21 August 2002 to 4 April 2004
  - **Lecturer in Chemistry** in Department of Applied Science in Sri Krishan Institute of Science and Technology, Kurukshetra, Haryana,136118 ( Affiliated to K.U.)
- June 2001 – July 2002
  - **Post Doctoral Fellow in Ranbaxy Sponsored Project** in Chemistry Department, Kurukshetra University, Kurukshetra, Haryana, 136118.

**Areas of Interest**

- Synthetic Organic Chemistry: Synthesis of Heterocyclic Compounds having medicinal applications through conventional and novel methods.

**Patent**

- **Patent No – 325490; Application No – 2220/DEL/2010**

**IMPROVED ORAL TARGETTED DRUG DELIVERY SYSTEM****Publications  
(Journal/Book Chapters)****Journal Publications:**

1. Microwave mediated synthesis of 3,4,4a,11a-tetrahydro-5-phenyl/5-(4'-substituted phenyl)-2H-indeno [1,2-b]pyrano[3,2-e]pyran-6(5H)-ones By Dhawan, Som N.; Sharma, Mamta; Bajaj, Sunita; Sharma, Kusum; Sharma, Somesh , Heterocycles (2007), 71(7), 1509-1516. Impact Factor: **0.668** ; 5-Year Impact Factor: **0.726**
2. Unusual Schmidt reaction of some 2-benzylideneindane-1,3-diones By Dhawan, Som N.; Ralhan, Suman; Sharma, Ramnik; Sharma, Mamta; Aggarwal, Preeti; Gupta, Satish C. Journal of the Indian Chemical Society (2003), 80(11), 1027-1030. Impact Factor: **0.156**
3. Biotechnology and Intellectual Property Rights By Roopesh Kumar, P. Bansal and Mamta Sharma in a Book “ Medical Biotechnology” Edited by P.C.Trivedi, Aavishkar Publication,2008, Jaipur
4. Phototransformations of 2-Benzylideneindan-1-one oxime : Systhesis of Indenoquinolines by Mamta Sharma and Mehak Rohilla; IJASRT, Vol. 7, Issue 12 , Dec. 2021
5. Oligomerisation of Lysergol Mehak Rohilla and Mamta Sharma IJASRT, Vol. 7, Issue 11 , Nov 2021

**Book**

- **Organic Chemistry ( Sem – 1),**  
Dr. Mehak Rohilla and Dr. Mamta Sharma;  
Vohra Publing House, Chandigarh; ISBN: 978-81-963351-9-9

**Seminars/  
Conferences/Symposiums  
(Paper Presented)**

- Poster Presentation - titled, ‘ Theoretical investigation for stability and solubility of Ergolines using DFT” at 2<sup>nd</sup> National seminar on “Recent Advances in Material Science” Organised by Department of Physics , G.G.D.S.D College , Chandigarh , Sept. 2016

**Refresher  
Courses/Workshops/Training  
Programmes****FDP**

- Online - NEP2020 Orientation & Sensitization Programme under Malaviya Mission Teacher Training Programme (MM-TTP) of University Grants Commission (UGC) from 16<sup>th</sup> to 26<sup>th</sup> January 2024 organized by UGC-Malaviya Mission Teacher Training Centre (MMTTC), Panjab University, Chandigarh
- One week national FDP Jointly organized by G.G.D.S.D College Chandigarh and Guru Angad Dev Malaviya Mission Teacher

Training Centre , SGTB Khalsa College , University of Delhi From 26 Oct to 1<sup>st</sup> Nov. 2023

- One week online on “Recent Advancement and Emerging Technology in the area of Education and Research” conducted by IIMT College of Management Greater NIODA , UP from 3<sup>rd</sup> to 9<sup>th</sup> Feb,2022.

### **Workshops**

- Workshop on Intellectual Property Rights Sponsored by DBT under BUILDER program organised by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh, 22<sup>nd</sup> March 2023
  - State Level Workshop on Eradication of Single Use Plastic and Propagation of Medicinal & Aromatic Plants-MAPs on 28<sup>th</sup> March 2022 at GGSDS College, Chandigarh
  - Workshop on Instrumentation techniques in Chemistry (FTIR and UV) on 24<sup>th</sup> December 2020 organised by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh
  - Six day online workshop on Research Ethics and Quantitative Techniques for Research and Publications from 25<sup>th</sup> to 30<sup>th</sup> April 2020 organised by college library, Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh
  - Workshop on Instrumentation Techniques in Chemistry (HPLC, GC, IR, UV-VISIBLE SPECTROPHOTOMETER) on 21<sup>st</sup> September 2019 organised by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh
  - Workshop on Instrumentation Techniques in Chemistry (HPLC, GC, IR, UV-VISIBLE SPECTROPHOTOMETER) on 14<sup>th</sup> March 2019 organised by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh
  - Workshop on Indian Research Information Network System (IRINS) on 1<sup>st</sup> December 2018 organised by Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh under the capacity building program of RUSA, U.T. Administration, Chandigarh
  - Popular lecture cum two-day workshop on the topic Instrumentation Techniques in Chemistry from 17<sup>th</sup> to 18<sup>th</sup> January 2014 at Department of Chemistry, Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh
  - Short course cum International Symposium on Integrated Drug Development: Chemistry, Manufacturing and Controls organized by NIPER, Mohali from 22<sup>nd</sup> to 24<sup>th</sup> Feb 2016.
  - Workshop on “Automation System in Education Sector”, sponsored by RUSA DHE , Chandigarh Organised by Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh, 8<sup>th</sup> and 9<sup>th</sup> March, 2016
  - Workshop on “Applications of Isotopes in Water Resources Development and Management” sponsored by DST, New Delhi & conducted by the Department of Civil Engineering, National Institute of Technology, Kurukshetra, from May 7-11, 2007.
- Invited Talks**
- Delivered lecture in ‘Popular Lecture Series’ organised by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta

Sanatan Dharma College, sector-32, Chandigarh (Feb 26, 2019)

- Delivered lecture in 'Popular Lecture Series' organised by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta Sanatan Dharma College, sector-32, Chandigarh (August 14 2019)
- Delivered a lecture on UV in DBT sponsored One day workshop on Instrumentation Techniques in Chemistry (IR, UV Spectroscopy, HPLC and Gas Chromatography ) organised by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh (March 14 , 2019)
- Delivered a lecture on IR in DBT sponsored One day workshop on Instrumentation Techniques in Chemistry (IR, UV Spectroscopy, HPLC and Gas Chromatography ) organised by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh (March 16 , 2018)
- Delivered a lecture on HPLC in DBT sponsored One day workshop on Instrumentation Techniques in Chemistry (IR, UV Spectroscopy, HPLC and Gas Chromatography ) organised by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh (March 15 , 2017)
- Delivered a lecture on Gas Chromatography in DBT sponsored One day workshop on Instrumentation Techniques in Chemistry (IR, UV Spectroscopy, HPLC and Gas Chromatography ) organised by Resonance Club of the Department of Chemistry, Goswami Ganesh Dutta Sanatan Dharma College, Sector-32, Chandigarh (March 16 , 2016)

#### **Administrative Experience**

- Conduct of Mentorship events for the of students of Chemistry Department & M.Sc. Applied Chemistry (Pharmaceutical); Member of Admission Committee.

**Dr. Mamta Sharma**