

# Dr. CHETAN CHAUHAN

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**Dr. CHETAN CHAUHAN**  
Assistant Professor  
Department of Chemistry

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<https://scholar.google.com/citations?user=SwRg03oAAAAJ&hl=en>  
<https://www.researchgate.net/profile/Chetan-Chauhan-12>

**Education :** M.Sc (Chemistry, 2001), Ph.D. (Chemistry, 2006)  
NET (Chemical Sciences, 2001 & 2002)  
Himachal Pradesh University, Summer Hill, Shimla,  
Himachal Pradesh, India

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## Research Interests:

- Method Development and validation (Voltammetric and Spectrophotometric techniques)
- Atmospheric Chemistry (surface ozone and VOCs)
- Controlled release pesticide formulation
- Antioxidant investigation/profiling of herbal /Ethno botanical plants

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## Employment History (After Ph.D)

- Assistant Professor, Department of Chemistry, Sardar Patel University, Mandi, India [22<sup>nd</sup> May 2022 –till date].
- Associate Professor, Department of Chemistry, Chandigarh University, Mohali, Punjab, India [Feb., 2020-May, 2022].
- Resource Person, Department of Chemistry, Central University, H.P, India [Aug., 2018-Dec, 2019]
- HOD, Department of Applied Science, UIET, UGI, Lalru, Panjab, India [Jan., 2018-May, 2018]
- Associate Professor, Dilla University (UNDP capacity building Program ), Ethiopia, Africa [Oct., 2011-Oct., 2015]
- Assistant Professor, Department of Chemistry, Shoolini University, H.P, India [Oct., 2009- Oct., 2011].
- Senior Lecturer, IEET, Baddi, Solan, India [July, 2009- Sept., 2009].
- Lecturer, Panjab University, UIET, Chandigarh, India [Aug., 2008-May, 2009].
- Lecturer, Department of Chemistry, Punjabi University, Patiala, Punjab [Dec., 2006-May, 2008]

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## Professional Distinctions

- Junior Scientist Award for Ph.D work 2006, NESA (National Environmental Science Academy)
- Young Scientist Award 2021, NESA (National Environmental Science Academy, India)
- National Mathematics Olympiad Merit Certificate, 1993

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## Academic Visit around the Southeast Asia and African Continent

- Bangkok , Thailand, 2010 (at CAMO Software Pvt. Ltd)
- Ethiopia, Africa, 2011-2015 (as Associate Professor in UNPD Capacity building Program)

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## Member of Academic Bodies/Subject Expert committee at university level

- Member, BOF (Faculty of Sciences): Chandigarh University [2020-2022]
  - Subject Expert DRC in Chemistry (Ph.D synopsis, 2021) Maharaja Agrasen University, Barotiwala , Solan, H.P, 2021
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## Human Resource Trained

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- M.Phil: 03
- M.Sc : 07

## Refresher Course/ FDP/Orientation course attended

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- Orientation Course (One Month):02
  - Refresher Course in Chemistry(Two weeks):02
  - Multidisciplinary FDP (One week) :07
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## Publication: 27

## Conferences Presentation: 25

**Book Chapter: 01** [Chapter Title: Trends and advances in pesticide's remedial approaches applied on agriculture produces for food safety at consumer level, Oct., 2022, Book Title: A Compendium of current work in technology, Finance, Business Management ISBN: 978-1-913482 Rubicon Publications, England]

## Recent and salient Publications:

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- **Chetan Chauhan** and Shruti Namdev. Investigation on the Comparative Antioxidant Potential of Moringa Oleifera and Moringa Stenopetala in their Commercial Products of Leaves. *Materials Today: Proceedings, Oct., 2022*, <https://doi.org/10.1016/j.matpr.2022.08.287>.
- **Chetan Chauhan** and Shanta Kumari. Microplastics: Devastation and destination in aquatic ecosystem. *Journal of Agriculture and Ecology, Oct., 2022*. <http://doi.org/10.53911/JAE>
- **Chetan Chauhan** and Shruti Namdev. Spectrophotometric method development for thiophante methyl based systemic fungicide, Roko formulation. *Materials Today: Proceedings, Oct., 2022*, <https://doi.org/10.1016/j.matpr.2022.08.481>.
- **Chetan Chauhan** and Kirti Sharma. Role of magnetic nanoparticle (MNPs) in cancer treatment: A review. *Materials Today: Proceedings, 2021*, <https://DOI:10.1016/j.matpr.2021.04.289>.
- **Chetan Chauhan** and Anchal Chauhan Emerging trends of nanotechnology in beauty solutions: A review. *Materials Today: Proceedings, 2021*, <https://doi.org/10.1016/j.matpr.2021.04.378>
- **Chetan Chauhan**. Contemporary voltammetric techniques and its application to pesticide analysis: A review. *Materials Today: Proceedings, 2020*, <https://doi.org/10.1016/j.matpr.2020.09.092>.
- Priyanka Sharma, J. C. Kuniyal, K. Chand, R. P. Guleria P. P. Dhyani, **Chetan Chauhan**. Surface ozone concentration and its behaviour with aerosols in the northwestern Himalaya, India. *Atmospheric Environment, 2013*, <https://doi.org/10.1016/j.atmosenv.2012.12.042>.
- B C. Verma, **Chetan Chauhan** & D. K. Sharma. A simple and rapid colorimetric method for the determination of benomyl (a fungicide) in its formulated product. *National Academy Science Letters, 2005*, 349-352, 28, (9&10).
- B C. Verma, **Chetan Chauhan** & D. K. Sharma. Pulse polarographic determination of benomyl and carbendazim in commercial formulations. *National Academy Science Letters, 2006*, 55-58, 29(1&2)
- B C. Verma, **Chetan Chauhan** & D. K. Sharma. Determination of malathion and dimethoate (important insecticides) by pulse polarography. *Proceeding of National Academy Science, 2007*, 195-197, 77A(III).
- B C. Verma, **Chetan Chauhan**, L. Thakur, D.K. Sharma. Pulse polarographic determination organoisoithiocyanate and a method for analysis of Ditrax (insecticide formulation containing methyl isothiocyanate). *Indian Journal of Chemistry Section-A, 2005*, 529-530, 44A(III).
- B C. Verma, **Chetan Chauhan**, L. Thakur, D.K. Sharma. Differential pulse polarographic determination of tetramethyl thiuram disulphide. *Indian Journal of Chemistry Section-A, 2006*, 402-406, 45A.
- B. C. Verma, **Chetan Chauhan**, S. Sood, & D. K. Sharma. A simple and rapid spectrophotometric method for the determination of thiophanate- methyl in commercial formulations and its residues in foodstuffs. *Journal of AOAC International, 2004*, <https://doi.org/10.1093/jaoac/87.4.811>

## Life Membership of Scientific Societies

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- Indian Science Congress Association (ISCA) - **L41542**
- Indian Society for Electroanalytical Chemistry (ISEAC) **LM-95**.
- National Environmental Science Academy (NESAC) **LM-836**
- Punjab Academy of Sciences **L-814**
- Indian Society of Analytical Scientists –Delhi Chapter **LMT-2010/49**