

# 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)  
**UGC-NET** (Chemical Sciences, 2001 & 2002)  
Himachal Pradesh University, Summer Hill, Shimla,  
Himachal Pradesh, India

## Research Interests

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

## Employment History (after completion of Ph.D )

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- **Assistant Professor**, Department of Chemistry, Sardar Patel University, Mandi, India [21<sup>st</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]

## Professional Distinctions

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

## Academic Assignments around the Southeast Asia and African Continent

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

## Human Resource Trained

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- M.Phil: 03
  - M.Sc : 07
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## Refresher Course/ FDP/Orientation course/ Hand on Training Course attended

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- Orientation Course (One Month):02
- Refresher Course in Chemistry(Two weeks):02
- Multidisciplinary FDP (One week) :06
- Hand on Training Course (One week):04

### Publication: 27

### Conferences/Seminar/Symposia 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: 978-1-913482-19-0 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 organoisothiocyanate 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 (NESA) **LM-836**
  - Punjab Academy of Sciences **L-814**
  - Indian Society of Analytical Scientists –Delhi Chapter **LMT-2010/49**
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