

Dr. Mamta Sharma
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ACADEMIC PROFILE :- PhD, M. Phil, M.Sc.

PROFESSIONAL & RESEARCH EXPERIENCE:- 14 Years

Teaching

- **Assistant Professor:** Sardar Patel University, Mandi (2022- till date).
- **Associate Professor :** Shoolini University of Biotechnology and Management Sciences, Solan HP (2020-2022).
- **Assistant Professor:** Shoolini University of Biotechnology and Management Sciences, Solan HP, Solan, HP 2009-2020.

Research

Specialization: Plant Physiology , Agro- nanotechnology

• **Government Funded Project -1**

Amount :- 47 Lakhs

Funding Agency: National Mission of Himalayan Studies, New Dehli

Title: *Returning Taxus to the Forests and the People: a study in Shimla and Kullu Districts .*

• **Research Guidance (Awarded)**

PhD: - 5

M.Phil: - 9

M.Sc.: -40

• **Research Publications: 45**

International /National research papers: 45

Book Chapter:2

Patents (Granted/ registered/ published): 46

Conferences/ workshop/ Training: 25

Online workshops:20

- Organizing Secretary, National Conference on Environment and Natural Resources Management. 24 Feb., 2017 sponsored by DST, New Dehli.

- Organizing Secretary, National Seminar cum workshop on Advanced Scientific Techniques. 23 – 25 May, 2017 sponsored by Scientific International and DST, New Dehli.
- Project entitled as On site evaluation of phytoremediation mediated water quality improvement of perennial Barog- Kotla rivulet, accepted for presentation at Global Advancement Youth Summit, Michigan State University, USA with travel award.

Award & Honours

- **Best Teacher Award**- Golden Rudrakshera Award, 2019 (Shoolini University).
- **Best Researcher Award** for high impact factor Publications, 2021 and **Top Patent Filer award** in 2022
- Merit Holder in M.Sc. Botany and M. Phil at Himachal Pradesh University, Shimla (HP) (2008 & 2009 resp.).

SPECIALIZATIONS (Research Areas)

- Plant Diversity of Medicinal plants and endangered plants and trees
- Plant Abiotic stress physiology with emphasis on secondary metabolites and enzymatic and non-enzymatic antioxidants.
- Green synthesis of Nanoparticles
- Weed management through allelopathy

Techniques

- Plant Identification
- Plant Tissue Culture
- Computer acquaintance: Windows, MS Office, Prism, SPSS.

Trainings

- Research Training at FRI, Dehradun in Tissue culture techniques December, 2013
- Optimization of sampling error, Shoolini University, Solan.2016
- AutoCAD for All" January 2021
- Faculty Development Programme, Shoolini University, 2016, 2020.