

## Dr. Sapna Thakur

Assistant Professor

Department of Biotechnology and Genetics & Plant Breeding

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**PROFILE:** Dr. Sapna Thakur is Assistant Professor, Department of Biotechnology and Genetics & Plant Breeding, Dr. Khem Singh Gill Akal College of Agriculture at Eternal University, Baru Sahib, Himachal Pradesh India. She has an experience of 05 years and 08 months in teaching and 12 years of research experiences in Biotechnology, and Agricultural Nanotechnology. She has received Ph.D. degree in Biotechnology from Shoolini University, Solan in 2017, M.Sc. in Biotechnology from LPU University, Punjab in 2009, B.Ed. from Himachal Pradesh University, Shimla in 2005, B.Sc. (Botany, Chemistry and Zoology) from Himachal Pradesh University, Shimla in 2004.

To her credit 27 publications, 01 laboratory manual, 04 book chapters, 06 patents and 11 research communications with h-index 11, i10-index 11, and 393 citations (Google Scholar- on 07/04/2023). She has guided 01 M.Sc., 01 Ph.D. Research Scholar.

**ASSOCIATION (PRESENT ORGANIZATION):** Dr. Sapna Thakur has been associated with Eternal University since 2017 and has played a major role in upbringing the standard of education. Dr. Sapna taught various subjects like Genetics, Food Biotechnology, Nano-Biotechnology, Transgenic Plants, Molecular Biotechnology, Micropropagation and Tissue Culture, Tools and Techniques in Biotechnology, Fundamentals of crop physiology, and Introductory Biology to UG, PG and Ph.D. Courses.

**AREAS OF EXPERTISE:** Nano-Biotechnology, Agro-nanotechnology, Nano-coating for Post-harvest, Nano-pesticides, Nano-fertilizers.

**PROJECTS COMPLETED:** She led two Govt. funded projects as **Principle Investigator** mentioned below:

1. Development of ZnO-Cellulose Nanocomposite for extending storage life of Ginger (*Zingiber officinale*). Government of Himachal Pradesh Department of Environment, Science & Technology funded Project, (S&T(F)5-2/2017), **2019-2022**.
2. Development of Novel packaging film for fruit and vegetable storage using metal oxides Nano particles synthesized by different processes. DST funded Project (SR/WOS-A/LS-296/2017), **2018-2021**.

### AWARDS:

1. **Women Scientist A** (WOS-A) fellowship for 3 years sponsored from DST, Govt. of India, 2018-2021.
2. **Women Researcher Award** organized by International Scientist Award 2021, VDGGOOD in Engineering, Science & Medicine.

### MEMBERSHIPS:

1. Life member of VDGGOOD in Engineering, Science & Medicine.
2. Life member of Soft Materials Research Society

### FOREIGN COLLABORATIONS:

1. Institute of Physics of the Czech Academy of Sciences (CAS), Cukrovarnicka 10, CZ-16200 Prague, Czech Republic.
2. Departamento de Engenharia de Materiais e Cerâmica, Universidade de Aveiro, Campus Universitário de Santiago, 3810-193 Aveiro, Portugal
3. Department of Biophysics, Munster Technology University, Ireland
4. Department of Biophysics, University of the free state, South Africa

### More details at

1. **ORCID-** <https://orcid.org/0000-0003-1953-2683>
2. **Research gate-** <https://www.researchgate.net/profile/Sapna-Thakur-6>
3. **SCOPUS-** <https://www.scopus.com/authid/detail.uri?authorId=57197867445>
4. **Web of Science-** <https://www.webofscience.com/wos/author/record/ABJ-3571-2022>
5. **Google Scholar-** <https://scholar.google.co.in/citations?hl=en&user=Pd1mqF0AAAAJ>