

## Profile Summary

Dr Mridula is an Assistant Professor (Contract) in the Department of Agronomy, College of Hill Agriculture, Chirbatiya Camp at Ranichauri. She holds expertise in Organic Agriculture, Natural Farming, and Weed Management. She completed her B.Sc. (Hons.) Agriculture, M.Sc. and PhD from CSK Himachal Pradesh Krishi Vishvavidyalaya, Palampur. She qualified the UGC NET in 2024 and ASRB NET in 2025.



## Research Interests/Specialisation

- Crop production under organic and natural Farming
- Weed Management in crops, cropping systems and non-cropped areas.

## Recent Publications (Scientific publications in the last five years)

| Sr. No. | Title of paper                                                                                                                                                            | Journal                                              | Year of publication |
|---------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|---------------------|
| 1.      | Effect of planting patterns and <i>ghanjivamrit</i> rates on yield and weed dynamics of maize ( <i>Zea mays</i> L.) soybean ( <i>Glycine max</i> L.) intercropping system | <i>Environment Conservation Journal</i>              | 2025                |
| 2.      | Determination of residual effect of herbicides through bioassay technique                                                                                                 | <i>International Journal of Research in Agronomy</i> | 2025                |
| 3.      | Evaluation of herbicides to control <i>Lantana camara</i> [L.] in the mid hills of Himachal Pradesh                                                                       | <i>Himachal Journal of Agricultural Research</i>     | 2025                |
| 4.      | Effect of nitrogen and phosphorus levels and Nano-DAP application on growth and yield of soybean { <i>Glycine max</i> (L). Merr}                                          | <i>Himachal Journal of Agricultural Research</i>     | 2025                |
| 5.      | Effect of herbicide combinations on complex weed flora and yield of direct seeded rice ( <i>Oryza sativa</i> L.)                                                          | <i>International Journal of Research in Agronomy</i> | 2025                |
| 6.      | Influence of tillage and weed management practices on yield and economics of wheat in an aerobic rice-wheat system                                                        | <i>International Journal of Research in Agronomy</i> | 2025                |
| 7.      | Effect of Nano DAP on germination and seedling growth of different crops                                                                                                  | <i>Biological Forum – An International Journal</i>   | 2024                |
| 8.      | Effect of foliar spray of Nano DAP on growth of wheat ( <i>Triticum aestivum</i> L.)                                                                                      | <i>Himachal Journal of Agricultural Research</i>     | 2024                |

## Education

| Qualification/Degree            | Title of Project/Thesis                                                                                                                                | Year of completion |
|---------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| M.Sc. in Agriculture (Agronomy) | Effect of planting patterns and application of <i>ghanjivamrit</i> on maize + soybean cropping system under natural farming                            | 2021               |
| Ph.D. in Agronomy               | Standardization of cutting and spray schedule of glyphosate and studies on efficacy of new herbicides for the management of <i>Lantana camara</i> [L.] | 2025               |

### Work History

| Academic Experience       |                                |                                                            |                       |
|---------------------------|--------------------------------|------------------------------------------------------------|-----------------------|
| Duration (From-To)        | Post                           | Organization                                               | Nature                |
| 16.02.2026-14.09.2026     | Guest Faculty                  | College of Hill Agriculture, Chirbatiya camp at Ranichauri | Temporary and Interim |
| 15.09.2026 to till date   | Assistant Professor (Contract) | College of Hill Agriculture, Chirbatiya camp at Ranichauri | Contract              |
| Administrative Experience |                                |                                                            |                       |
| 18.03.2026 to till date   | Assistant Warden               | Gaura Devi Girls Hostel, CoF, Ranichauri                   |                       |

### Awards/Achievements

| Name of Award/Fellowship/Recognition | Organization                                                                                   | Year |
|--------------------------------------|------------------------------------------------------------------------------------------------|------|
| Best M.Sc. Thesis Award              | ICAR-IISWC Dehradun, VCSG UHF, Bharsar supported by UCOST, Dehradun at Dehradun, SGRR Dehradun | 2026 |

### Publications

|                                                                        |   |
|------------------------------------------------------------------------|---|
| Total number of Research Papers                                        | 8 |
| Total number of Review Papers                                          | 4 |
| Total number of papers presented in various conferences/symposium etc. | 2 |
| Book (Editor)                                                          | 2 |
| Book chapters                                                          | 3 |
| Popular articles                                                       | 4 |
| Technical bulletin                                                     | 1 |
| Practical manual                                                       | 1 |