

## Curriculum vitae



**Dr Himanshu Verma**

**B. Sc. Ag; M. Sc. Ag. (Agronomy); Ph.D. Agronomy + ICAR ASRB- NET**

**Father's Name:** Mr. L. N. Verma

**Date of Birth:** 07-02-1990

**Nationality:** Indian

**Religion:** Hinduism

**Alma Mater:** Govind Ballabh Pant University of Agriculture & Technology, Pantnagar, Udham Singh Nagar, Uttarakhand, India

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**Link of Research gate:** <https://www.researchgate.net/profile/Himanshu-Verma-41>

**Link of Google scholar:** <https://scholar.google.com/citations?user=666IE-YAAAAJ&hl=en>

**Link of LinkedIn:** [linkedin.com/in/dr-himanshu-verma-24666833](https://www.linkedin.com/in/dr-himanshu-verma-24666833)

**ORCID Id:** [orcid.org/0000-0002-3048-9068](https://orcid.org/0000-0002-3048-9068)

**Research Gate total Citation**= 94 (h- index=5); **RI score:** 423.4

**Google Scholar Citations** 110; **h- index-** 6; **i10- index-**2

**Total experience of Teaching:** 5 years, 1 month

**Educational/Technical qualifications**

| <b>Exam</b>                            | <b>University/Board</b>   | <b>Year</b>   | <b>Division</b>  | <b>Marks (%) or CGPA</b>    | <b>Subjects/ Specialization</b>                                   | <b>Remark/ Distinction awarded</b>   |
|--|---|---------------|------------------|-----------------------------|---|--|
| <b>High school</b>                     | Pantnagar Inter College, Pantnagar (Uttarakhand board)                                    | 2005          | <b>First</b>     | 67.67                       | Hindi, English, Social Science, Science, Mathematics and Sanskrit | Distinction in Hindi ( <b>D</b> ) and Mathematics( <b>D</b> )  |
| <b>Intermediate</b>                    | Pantnagar Inter College, Pantnagar (Uttarakhand board)                                    | 2007          | <b>First</b>     | 74.80                       | Hindi, English, Physics, Chemistry and Biology                    | Distinction in Hindi( <b>D</b> ), Physics( <b>D</b> ) and Biology( <b>D</b> )(Uttarakhand <b>Biology Topper and recipient of Gold Medal, DBT Biology scholarship</b> from Department of Bio Technology, Ministry of Science and Technology, Government of India)   |
| <b>B.Sc. Ag.</b>                       | GBPUA&T, Pantnagar Uttarakhand  | 2011          | <b>First</b>     | 7.236                       | Major: Agriculture  | Studied Practical crop production (PCP) & Rural Agriculture Work Experience (RAW), Qualified NSS B-certificate exam  |
| <b>M.Sc. Ag. Agronomy</b>              | GBPUA&T, Pantnagar Uttarakhand  | 2015          | <b>First</b>     | 7.671                       | Major: Agronomy   | Thesis Title: Chemical vs. Non-chemical Weed Management in Aerobic rice ( <i>Oryza sativa</i> L.) under Irrigated Ecosystem ( <b>Best Master Thesis Award</b> )  |
| <b>Ph. D. Agronomy</b>                 | GBPUA&T, Pantnagar Uttarakhand  | 2019          | <b>First</b>     | 7.647                       | Major: Agronomy<br>Minor: Soil Science                            | <ul style="list-style-type: none"> <li>Thesis Title: Integrated Nutrient Management for Yield and Quality Assessment in <i>Kalmegh</i> [<i>Andrographis paniculata</i> (Burm. f.) Wall ex. Nees]</li> <li>(<b>Ph.D. Best Thesis Award, Student Excellence Award by GBPUA&amp;T Pantnagar</b>)</li> <li>Research findings were published in Science Citation Index (SCI) journal IF 2.1 NAAS 8.1 journal of Plant Nutrition Taylor &amp; Francis</li> </ul> |
| <b>National Eligibility Test (NET)</b> | Indian Council of Agriculture Research- Agriculture Scientist Requirement Board ICAR-ASRB | 2015 and 2018 | <b>Qualified</b> | 55 % and 51 %, respectively | Agronomy (Natural Resource Management NRM)                        | eligibility of Lecturership / Assistant Professorship  |

**Employment record**

|          |   |   |
|----------|---|---|
| <b>1</b> | <b>Name of the employer and Address</b> | Dalmia Bharat Sugar and Industries Limited (DBSIL), Unit Nigohi, Post Areli, Village Kuiyan, District Shahjahanpur, Uttar Pradesh, Prop: Dalmia Bharat Enterprise Limited (DBEL)  |
|          | <b>Post held</b>                        | Executive -Cane   |
|          | <b>Pay Scale</b>                        | Basic Pay: Rs. 7,500 Total CTC: Rs. 3,00,000/-  |
|          | <b>Period of Service</b>                | 14-06-2011 to 31-03-2013 (1 year, 9 months, 17 days)  |
|          | <b>Work done</b>                        | <ol style="list-style-type: none"> <li>1. As zonal In-charge for <b>Sugarcane Development</b> in villages of Shahjahanpur district</li> <li>2. As In-charge for <b>Ratoon Management</b> in villages of Shahjahanpur district</li> <li>3. Conducted village meetings/kisan Gosthi for supervision of sugarcane crop and provided training to produce sugarcane with improved technologies</li> <li>4. Provided trainings on “<b>Sugarcane Information System</b>” to sugarcane farmers as well as youth of schools &amp; colleges</li> <li>5. As In-charge for sugarcane trench planting through automatic trench cutter planter in villages of Shahjahanpur district.</li> <li>6. As coordinator for creation of <b>Documentary Film</b> on cane development &amp; Management..l</li> <li>7. As In-charge for publicity of new technology for sugarcane cultivation through Posters, pamphlets, Nukkad Drama, Road Show etc.</li> <li>8. As In-charge for management of <b>SDF (Sugarcane Development Fund)</b>.</li> <li>9. As coordinator for <b>Corporate Social Responsibility (C. S. R)</b> (coordination with NGO –SARD (Society for all round development) and Vinoba Sewa Ashram) in the field of Health, Education and livelihood.</li> </ol> |
| <b>2</b> | <b>Name of the university</b>           | School of Agricultural Sciences, Shri Guru Ram Rai (SGRR) University, Dehradun, Uttarakhand, India (ICAR accredited)  |

|   |                                     |   |
|---|-------------------------------------|---|
|   | <b>Designation</b>                  | Assistant Professor Agronomy  |
|   | <b>Salary Scale</b>                 | Pay Scale PB- Rs. 15600 – Rs 39100, GP- Rs. 6000  |
|   | <b>Department</b>                   | Agronomy  |
|   | <b>Time period</b>                  | March, 02, 2020 to 17 June 2022 (2 years, 3 month, 15 days)   |
|   | <b>Nature of duties</b>             | Teaching, Research and Extension  |
| 3 | <b>Name of the university</b>       | College of Agriculture and Environmental Technology, Surajmal University, Kichha, Udham Singh Nagar, Uttarakhand, India, 263148       |
|   | <b>Designation</b>                  | Assistant Professor (Agronomy) Employee<br>Id: SMU021   |
|   | <b>Salary Scale</b>                 | Pay Scale PB- Rs. 15600 – Rs 39100, GP- Rs. 6000  |
|   | <b>Department</b>                   | Agriculture   |
|   | <b>Time period</b>                  | September, 09, 2022 to present (2 years, 9 month, 8 days)   |
|   | <b>Nature of duties</b>             | Teaching, In-charge PCP-I & II, Member academic council, Member training and placement cell and other management works                |
|   | <b>Total experience of teaching</b> | SGRR University: 2 years, 3 months, 15 days; Surajmal University, Kichha: 2 years, 9 months, 8 days<br><b><u>5 years, 30 days</u></b> |

**Students Guided at SGRR University as Main supervisor:**

| SI No. | Name of Student                     | Degree Program     | Batch                | Thesis Title   | Job Selection  |
|--------|-------------------------------------|--------------------|----------------------|--|--|
| 1      | <b>Mrs. Bhawana Rana RI91097003</b> | M.Sc. Ag. Agronomy | 2019- 20 to 2020- 21 | Assessment of Yield and Quality of Common Bread Wheat ( <i>Triticum aestivum</i> L.) under Different Nutrient Management Approaches in Irrigated Conditions of Western Himalayan region of Uttarakhand | Assistant Agriculture Officer (AAO), Uttarakhand Govt. |

**Students Guided at SGRR University as Co- advisor**

|   |   |                       |                         |  |                      |
|---|---|-----------------------|-------------------------|--|----------------------|
| 1 | <b>Ms. Babita<br/>Bharti<br/>R199097002</b> | M.Sc. Ag.<br>Agronomy | 2019- 20 to<br>2020- 21 | Effects of Organic and Bio-fertilizers on seed yield and yield related attributes of <i>Perilla frutescens</i> (L.) Britton            | Private agro-company |
| 2 | <b>Deeksha<br/>R191097004</b>               | M.Sc. Ag.<br>Agronomy | 2019- 20 to<br>2020- 21 | Impact of organic and bio-fertilizer application on yield and yield attributing characters in Linseed ( <i>Linum usitatissimum</i> L.) | Private agro-company |

**Courses taught at SGRR University, from 02-03-2020 to 17-06-2022**

| <b>Name of the Course with Code</b> |  | <b>UG/ PG/Ph.D.</b>                 | <b>Semester</b>          | <b>No. of Lectures/Labs</b> |
|-------------------------------------|--|-------------------------------------|--------------------------|-----------------------------|
| <b>1</b>                            | Farming system and Sustainable Agriculture (BSAC- 407)                                     | B. Sc. Ag. (Batch 2019- 20)         | 4 <sup>th</sup> Semester | 21                          |
| <b>2</b>                            | Weed Management (BSAE- 110)  | B. Sc. Ag. (Batch 2019- 20)         | 6 <sup>th</sup> Semester | 23                          |
| <b>3</b>                            | Practical Crop Production –I ( <i>Kharif</i> crops) (BSAC- 508)                            | B. Sc. Ag. (Batch 2020- 21)         | 5 <sup>th</sup> Semester | 6                           |
| <b>4</b>                            | Rural Agricultural Work Experience and Agro-industrial Attachment (RAWE & AIA) (BSAW- 701) | B. Sc. Ag. (Batch 2020- 21)         | 7 <sup>th</sup> Semester | 15                          |
| <b>5</b>                            | Principles and Practices of Water Management (BSAE- 110)                                   | M. Sc. Ag. Agronomy 2020- 21        | 3 <sup>rd</sup> semester | 19                          |
| <b>6</b>                            | Geo informatics and Nano-technology and Precision Farming (BSAC-507)                       | B. Sc. Ag. (2020- 21)               | 5 <sup>th</sup> Semester | 20                          |
| <b>7</b>                            | Advance in crop growth and productivity (PPAC- 102)  | Ph. D Agronomy(2020- 2021)          | 1 <sup>st</sup> Semester | 10                          |
| <b>8</b>                            | Principles and Practices of Water Management (BSAE- 110)                                   | M. Sc. Ag. Agronomy(Batch 2020- 22) | 2 <sup>nd</sup> semester | 16                          |
| <b>9</b>                            | Weed Management (BSAE- 110)  | B. Sc. Ag. (Batch 2020- 21)         | 6 <sup>th</sup> Semester | 21                          |
| <b>10</b>                           | Practical Crop Production –I ( <i>Kharif</i> crops) (BSAC- 508)                            | B. Sc. Ag. (Batch 2020- 21)         | 5 <sup>th</sup> Semester | 2                           |

|  |   |                                      |                          |    |
|--|---|--------------------------------------|--------------------------|----|
| <b>11</b>  | Agricultural Marketing , price and trade                                  | B. Sc. Ag. (Batch 2020- 21)          | 4 <sup>th</sup> Semester | 23 |
| <b>Courses taught at Surajmal University, Kichha from 09-09-2022 till date</b> |   |                                      |                          |    |
| <b>SI No.</b>  | <b>Subject</b>  | <b>Course and year</b>               | <b>Semester</b>          |    |
| <b>1</b>   | Fundamentals of Agronomy<br>AAG 101T                                      | B. Sc. (H). Ag. 2022-23              | 1 <sup>st</sup> Semester | 37 |
| <b>2</b>   | Introduction to forestry  | B. Sc. (H). Ag. 2022-23              | 1 <sup>st</sup> Semester | 21 |
| <b>3</b>   | Elementary Biology  | B. Sc. (H). Ag. 2022-23              | 1 <sup>st</sup> Semester | 19 |
| <b>4</b>   | Agriculture heritage<br>AAG 107T  | B. Sc. (H). Ag. 2022-23              | 1 <sup>st</sup> Semester | 19 |
| <b>5</b>   | Environmental studies   | B. Tech all branches 2022-23         | 1 <sup>st</sup> Semester | 23 |
| <b>6</b>   | Farming systems and sustainable agriculture                               | B. Sc. (H). Ag. 2022-23              | 2 <sup>nd</sup> Semester | 25 |
| <b>7</b>   | Crop production technology-I (Kharif crops)                               | B. Sc. (H). Ag. 2022-23              | 2 <sup>nd</sup> Semester | 32 |
| <b>8</b>   | Introductory Agro meteorology and climate change                          | B. Sc. (H). Ag. 2022-23              | 2 <sup>nd</sup> Semester | 26 |
| <b>9</b>   | Elementary Biology  | B. Sc. Food Technology<br>2022-23    | 2 <sup>nd</sup> Semester | 16 |
| <b>10</b>  | Environmental Studies   | B.C.A; BBA; BSc Food tech<br>2022-23 | 2 <sup>nd</sup> Semester | 35 |
| <b>11</b>  | Fundamentals of Agronomy<br>(AAG 101T;                                    | B. Sc. (Hons.) Ag. 2023-24           | 1 <sup>st</sup> Semester | 29 |
| <b>12</b>  | Agriculture Heritage<br>(AAG-107T)  | B. Sc. (Hons.) Ag. 2023-24           | 1 <sup>st</sup> Semester | 13 |
| <b>13</b>  | Crop Production Technology- II ( <i>Rabi</i> Crops)                       | B. Sc. (Hons.) Ag. 2023-24           | 3 <sup>rd</sup> Semester | 24 |
| <b>14</b>  | Weed Management (Elective-I)  | B. Sc. (Hons.) Ag. 2023-24           | 3 <sup>rd</sup> Semester | 21 |
| <b>15</b>  | Environmental Studies and Disaster management                             | B. Sc. (Hons.) Ag. 2023-24           | 3 <sup>rd</sup> Semester | 08 |
| <b>16</b>  | Crop production technology-I ( <i>Kharif</i> crops) (AAG- 116T; AAG 124P) | B. Sc. (H). Ag. 2023-24              | 2 <sup>nd</sup> Semester | 36 |
| <b>17</b>  | Introductory Agro meteorology and climate change (AAG 118T; AAG 125P)     | B. Sc. (H). Ag. 2023-24              | 2 <sup>nd</sup> Semester | 24 |

|    |   |                          |                          |    |
|----|---|--------------------------|--------------------------|----|
| 18 | Elective course-II Agro-chemicals (AAG 228T; AAG 238P)                | B. Sc. (H). Ag. 2023-24  | 4 <sup>th</sup> Semester | 24 |
| 19 | Fundamentals of crop physiology (AAG 219T; AAG 229P)                  | B. Sc. (H). Ag. 2023-24  | 4 <sup>th</sup> Semester | 24 |
| 20 | Livestock & Poultry Management (AAG 224T; AAG 234P)                   | B. Sc. (H). Ag. 2023-24  | 4 <sup>th</sup> Semester | 36 |
| 21 | Fundamentals of Agricultural Extension education (AAG-226T; AAG 236P) | B. Sc. (H). Ag. 2023-24  | 4 <sup>th</sup> Semester | 36 |
| 22 | Fundamentals of Agronomy  | B. Sc. (H). Ag. 2024- 25 | 1 <sup>st</sup> Semester | 48 |
| 23 | Agriculture Heritage  | B. Sc. (H). Ag. 2024- 25 | 1 <sup>st</sup> Semester | 18 |
| 24 | Crop Production Technology- II (Rabi crops)                           | B. Sc. (H). Ag. 2024- 25 | 3 <sup>rd</sup> Semester | 32 |
| 25 | Elective- I (Weed Management)   | B. Sc. (H). Ag. 2024- 25 | 3 <sup>rd</sup> Semester | 32 |
| 26 | Geo- informatics, nanotechnology and Precision Agriculture            | B. Sc. (H). Ag. 2024- 25 | 5 <sup>th</sup> Semester | 32 |
| 27 | Production Technology for fruit & Plantation crops                    | B. Sc. (H). Ag. 2024- 25 | 5 <sup>th</sup> Semester | 32 |
| 28 | Practical crop production- I (Kharif crops)                           | B. Sc. (H). Ag. 2024- 25 | 5 <sup>th</sup> Semester | -  |
| 29 | Environmental studies BSE 101T  | B.Tech and B.B.A.        | 1 <sup>st</sup> semester | 32 |

### Case studies/ success story

**हिमांशु वर्मा**, मनोज कुमार भट्ट, कुलदीप सिंह एवं प्रेरणा नेगी (२०२२), एकीकृत कृषि प्रणाली: एक प्रगतिशील किसान की प्रेरक एवं सफलता की कहानी, किसान भारती पत्रिका, गोविन्द बल्लभ पंत कृषि एवं प्रौद्योगिक विश्वविद्यालय, पंतनगर, वर्ष ५३, अंक ११, पेज: ३३- ३५

**हिमांशु वर्मा**, मनोज कुमार भट्ट, प्रेरणा नेगी एवं अंजना नौटियाल (२०२२), संरक्षित खेती एवं जल संचयन ने बदली किसान हरीश पांडेय की जिंदगी: एक सफलता की कहानी, किसान भारती पत्रिका, गोविन्द बल्लभ पंत कृषि एवं प्रौद्योगिक विश्वविद्यालय, पंतनगर, वर्ष ५४, अंक ०१, पेज: ३६- ३८

### PATENTS

1. Negi *et al.*, 2022. System for weather monitoring and natural disaster prevention using IOT and AI. Patent number 202211066340, journal number 47/2022, journal date: 25/11/2022- Indian Patent office.

### Publications

#### Research Papers

1. **Verma, H.**, Negi, M. S., Mahapatra, B. S., Shukla, A., Paul, J., Bhatt, M. K., Prakash. O. (2024). Growth, yield, Andrographolide content and total antioxidant activity of *Kalmegh* [*Andrographis paniculata* (Burm. f.) Wall. ex Nees] under variable nitrogen rates and organic manures application in Indo-Gangetic plains of India. *Journal of Plant Nutrition, Taylor & Francis*, 47

- (20), 4048-4060. <https://doi.org/10.1080/01904167.2024.2397388>. ). NAAS: 7.6; Impact factor: 1.6
2. Rana, M., **Verma, H.** and Singh, J. P. (2025). Non-chemical weed management evaluation in Green gram. *Indian Journal of Weed Science*. 57(2): 243–246. <http://dx.doi.org/10.5958/0974-8164.2025.00042.7>
  3. Negi, P., Chisti, M. and **Verma, H.** (2024). Integrated effect of natural farming concoctions and organic farming practices with various NPK doses on quality of bread wheat. *Pantnagar Journal of Research*. 22 (1): 8- 13 ISSN: 0972-8813; e-ISSN: 2582-2780
  4. Negi, P., **Verma, H.**, Chisti, M., Singh, J. P., Bankoti, P., Nautiyal, A. and Chaudhary, S. (2023). Integrated effect of natural farming concoctions, organic farming practices and different fertilizer doses on productivity and profitability of wheat in western Himalayan zones of India. *Pantnagar Journal of Research*, 21 (3); 376-382. ISSN: 0972-8813; e-ISSN: 2582-2780
  5. Rawat, S., **Verma, H.** and Singh J. P. (2023). Black gram (*Vigna mungo* L.) Response to Plant Geometry and Bio-fertilizers in western Himalayan Agro ecosystem. *Pantnagar Journal of Research*, 21 (3): 371-375. ISSN: 0972-8813; e-ISSN: 2582-2780
  6. Kumari, A. and **Verma H.** (2023). Evaluation of Integrated Nutrient Management Strategies for Growth & yield of Lentil (*Lens culinaris* Medik). *Pantnagar Journal of Research*, 2(2): 141- 145. ISSN: 0972-8813; e-ISSN: 2582-2780
  7. Juyal, P., **Verma, H** and Dhapola, P. (2023). Integrated Nutrient Management for growth and yield enhancement of Wheat (*Triticum aestivum*) under irrigated conditions of Doon Valley, Uttarakhand. *Pantnagar Journal of Rsearch*, 21(1): 359- 366. ISSN: 0972-8813; e-ISSN: 2582-2780
  8. Rana, B and **Verma, H.** (2021). Assessment of Different Nutrient Management Approaches for Grain Yield, Gluten Content and Net Income of Common Bread Wheat (*Triticum aestivum* L.) under Irrigated Ecosystem of Western Himalayan Region. *Pantnagar Journal of Research*, 19 (3): 359- 366. ISSN: 0972-8813; e-ISSN: 2582-2780
  9. Ram Singh, R., Singh, S P., Singh, V P., Sirazuddin., **Verma, H** and Shukla, D. K. (2016). “Weed control in dry-seeded rice with penoxsulam. *International Journal of Basic and Applied Agricultural Research*. 14 (3): 379-382. ISSN: 0972-8813; e-ISSN: 2582-2780
  10. **Verma, H.**, Singh, S P., Singh, V P., Mahapatra, B S., Sirazuddin., Joshi, N and Chilwal, A. (2017). Weed dynamics of aerobic rice (*Oryza sativa* L.) under chemical and non-chemical weed management practices in irrigated ecosystem. *International Journal of current Microbiology and applied science*, 6 (12): 3159-3165. ISSN:2319-7692(Print), ISSN:2319-7706(Online)



11. **Verma, H.**, Negi, M S., Joshi, A., Belal, B., Shukla, A., Mahapatra, B S and Jaipaul. (2018). “Growth Attributes of *Kalmegh* [*Andrographis paniculata* (Burm. F.) Wall Ness] as influenced by integrated nutrient management under *tarai* conditions of Uttarakhand. *International Journal of Chemical Studies*, 6 (5) 2947-2949. Online ISSN: 2321-4902, ; Print ISSN: 2349-8528
12. **Verma, H.**, Singh, S P., Singh, V P., Mahapatra, B S., Sirazuddin., Joshi, N and Chilwal, A. (2017). Nutrient uptake and soil health under chemical and non-chemical weed management practices in irrigated rice ecosystem” *International Journal of current Microbiology and applied science*, 6 (12): 3152-3158. ISSN:2319-7692(Print), ISSN:2319-7706(Online)
13. Sirazuddin, Singh, S P., Singh, V P., Mahapatra, B S and **Verma, H.** (2016). Effect of Weed-Control Measures on Yield, Weed Control, Economics, Energetics and Soil Microflora under Different Establishment Methods of Wheat (*Triticum aestivum* L.)” *International Journal of Bio-resource and Stress Management*, 6 (6):736-743.
14. Sirazuddin, Singh, S.P., Singh, V.P., Mahapatra, B.S and **Verma, H.** (2015). “Effect of establishment methods and weed-control measures on Broad leaf weeds, yield attributes and harvest index of wheat (*Triticum aestivum* L.)” *International Journal of Engineering Research & Science*. 1(6): 34-37
15. Chilwal, A., Singh, S P., Singh, V P., Mahapatra, B S., Shukla, D K and **Verma, H** (2017). “Allelopathic Effect of Winter Weeds on Little Canary Grass (*Phalaris minor* Retz) and Wheat (*Triticum aestivum* L.) *International Journal of current Microbiology and applied science*, 6 (12): 978-983. [ISSN:2319-7692(Print), ISSN:2319-7706(Online)]

### Review Paper

1. Singh, S P and **Verma, H.** (2021). Weed Management practices for enhancing productivity in Direct Seeded Rice: a review. *Pantnagar Journal of Research* (Communicated)
2. **Verma, H.**, Negi, M S., Mahapatra, B S., Shukla, A and Jai Paul. (2019). “Evaluation of an emerging medicinal crop *kalmegh* [*Andrographis paniculata* (Burm. f.) Wall. ex. Nees] for commercial cultivation and pharmaceutical & industrial uses: a review” *Journal of Pharmacognosy and phytochemistry* 8(4): 835-848. Online ISSN: 2278-4136, Print ISSN: 2349-8234.[Online ISSN : 2278-4136, Print ISSN : 2349-8234]
3. **Verma, H** and Singh, S. P. (2019). “Weeds in direct seeded rice and their sustainable management through non- chemical approach: a review” *International journal of chemical studies*.7 (2): 2099-2105. [Online ISSN: 2321-4902, ; Print ISSN: 2349-8528]

4. Khanna, R., Pawar, J., Gupta, S., **Verma, H.**, Trivedi, H., Kumar, P and Kumar, R. (2019). “Efficiency of biofertilizers in increasing the production potential of cereals and pulses: a review” *Journal of Pharmacognosy and phytochemistry* 8(2): 183-188. Online ISSN: 2278-4136, Print ISSN: 2349-8234. [Online ISSN : 2278-4136, Print ISSN : 2349-8234]

### **Manuscript in Preparation**

1. Negi, M S and **Verma, H** 2015 “Prospects of Conservation Agriculture in Hill Situation”. *Training Course Series 32, Compendium of lectures. Tillage and Nutrient Dynamics for better crop Production* organized by **CAFT, Department of Agronomy, GBPUA&T, Pantnagar**, Sponsored by ICAR, New Delhi on October 10-30, 2015 pp: 66-72
2. Negi, M S and **Verma, H** 2016 “Strategic Management for Improving Productivity of Medicinal and Aromatic crops in different agro climatic region. *Training Course Series-33. Compendium of Lectures. Revitalizing Soil and Crop Productivity for Secured Agriculture* organized by **CAFT, Department of Agronomy, GBPUA&T, Pantnagar**, Sponsored by ICAR, New Delhi on February 03-23, 2016 pp: 245-256
3. Negi, M S and **Verma, H** 2016 “Nutrient Management in Oilseed Crops. *Training Course series 34, Compendium of Lectures, Efficiency Centric Agro Management for Food and Nutritional Security* organized by CAFT, Department of Agronomy, GBPUA&T, Pantnagar, Sponsored by ICAR, New Delhi on Sep 28- Oct 18, 2016 pp: 162-168
4. Negi, M S and **Verma, H** 2017 “A manuscript on Crop Residue Management in Rice-Wheat Cropping System”. *Training Course series- 35, Compendium of Lectures, Ecological Agriculture for Sustainability* organized by **CAFT, Department of Agronomy, GBPUA&T, Pantnagar**, Sponsored by ICAR, New Delhi on February 09 to March 01, 2017 pp:

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- Himanshu Verma (2025).** Is it possible to boost agricultural production and sustainability by replacing labour with AI & robotics? *Time of Agriculture: a resonance in Agriculture, Monthly Agriculture E-Magazine* ISSN: 2582-6344. **5**(6) July, pp: 23-24
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**हिमांशु वर्मा (२०२५).** कालमेघ: मुख्य औषधीय फसल एवं इसकी खेती. किसान भारती पत्रिका, गोविन्द बल्लभ पंत कृषि एवं प्रौद्योगिक विश्वविद्यालय पंतनगर, वर्ष ५८, अंक ०८, पेज नंबर: ०७

**हिमांशु वर्मा (२०२५).** क्या कृषि उत्पादकता बढ़ाने के लिए मानव श्रम को आर्टिफिशियल इंटेलिजेंस और रोबोटिक्स द्वारा प्रतिस्थापित किया जा सकता है? कृषक आराधना, ग्वालियर, सोमवार ०७ अप्रैल २०२५ से १३ अप्रैल २०२५. आई एस एस एन नंबर २५८२- ७२८६. पेज नंबर ६

मनोज कुमार भट्ट, धर्मेन्द्र कुमार, **हिमांशु वर्मा** एवं प्रेरणा नेगी (२०२३). धान में खरपतवार प्रबंधन, मध्य भारत कृषक भारती, ग्वालियर, अक्टूबर, २०२३, पेज: ११३. आई एस एस एन नंबर: २५८२- ५६७६

**हिमांशु वर्मा** एवं प्रेरणा नेगी (२०२१). फसल अवशेष प्रबंधन: आवश्यकता एवं लाभ, कृषक जगत, राष्ट्रीय कृषि अखवार, कृषि मंत्रालय भारत सरकार द्वारा पुरस्कृत कृषि साप्ताहिक, आई एस एस एन नंबर -०६७०-८६५०, २६ जनवरी २०२१, भोपाल, पेज संख्या: ५

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- Verma, H 2019** “Nutrient Management in *Kalmegh*” *Agrobios Newsletter: a Monthly Magazine of Agriculture and Biological Sciences* ISSN: 0792-7027. 18(7): 9- 10
- Verma, H and Singh S P (2020** “Cono weeding: an effective weed management practices in direct seeded rice” *Marumegh. Kisaan E- patrika. ISSN: 2456-2904. 5(1): 10-11*
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- Verma, H 2019** “Agronomic Technologies for Resource Conservation in Rice Production system of Indo-Gangetic Plains” *AGRICULTURE & FOOD: e-Newsletter* ISSN: 2581-8317, June 2019. 1(6): 132-135
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- Verma, H 2019** “Precision Farming: “Need” and “constraints” in Indian Situations. *AGRICULTURE & FOOD: e-Newsletter* ISSN: 2581-8317, July 2019. 1(7): 235-238
- Verma, H 2019** “Weed Management in Sugarcane through herbicides” *AGRICULTURE & FOOD: e-Newsletter* ISSN: 2581-8317, August 2019. 1(8): 254-256
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**Verma, H. (2025).** Integrated Farming System: Viable approach for sustaining Farmer's Income. Analysis 07, *The Pioneer*, New Delhi, Thursday, 3 April 2025, pp 07

**Verma, H (2024).** The key to tackling food security & climate change. *Opinion 06, The Pioneer*. New Delhi, Tuesday, 21 December 2024, pp 06

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### Book Chapters

1. **Verma, H.**, Negi, P., Nautiyal, A., Cahudhary, S., Sharma, V., Paarthiban, K. and Singh, J. P. (2024). Sustainable weed management in direct seeded rice. Book. *Sustaining Agriculture: food security, Biodiversity and climate change*. Jatav *et al.* Deepika Book Agency, New Delhi, India ISBN: 978-81-976745-7-0. pp: 475-489
2. Negi, P., **Verma, H.**, Singh, S.P., Mahapatra, B.S. and Jatav, H.S. (2021). Global Scenario of Sewage-Sludge Management, Edited book. *Springer Nature Switzerland, AG Gewerbestrasse 11, 6330 Cham, Switzerland (the "Publisher")* ISBN 978-3-030-85225- 2. pp: 383- 402
3. **Verma, H** 2021 'Conservation agriculture practices to improve soil fertility', In: Jatav, H S et al, Sustainable Soil Fertility Management. *Nova Science Publishers, New York. (U. S. A).* Inc. ISBN: 978-1-53619-055-7. pp: 101- 128
4. **Verma, H** 2019 "Organic Cultivation of Sugarcane" *Advances in Agronomy, AkiNik Publications, New Delhi*. Paperback ISBN: 978-93-5335-500-5, 5: 31-43
5. **Verma, H** and Kapoor, A 2019 "Agro nanotechnology: an agricultural paradigm" *New Perspectives in Agricultural Sciences*. An international peer reviewed book. Lambert Academic Publishing. ISBN: 978-620-2-66781-4. pp: 9- 24
6. **Verma, H** 2019 "Major Insect-pests of Sugarcane & their Management" *Agrobios Publications*. (Accepted)
7. **Verma, H** 2019 "Methods of Irrigation and its Scheduling for Precise Water Use" *Agrobios Publication* (Accepted)

### Books

1. **Verma, H** and Bhatt, M 2020 "Objective Soil Science". *Jain Brothers (New Delhi)*, First edition. ISBN: 978-81-944137-2-1
2. **Verma, H** 2020 "Agronomy Reasoning". *Jain Brothers (New Delhi)*, First edition. ISBN: 978-81-944846-0-8
3. Sharma, S.K., Singh, S. K., **Verma, H.**, Bhatt, M. K. and Singh, M. K. (2024). *Crop Production Technology- II (Rabi Crops)*. **BFC Publications, Lucknow-226010, U. P., India**. ISBN- 978-93-5632-624-8., ISBN E-Book- 978-93-5632-625-5

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1. **Verma, H.** (2023). **Practical Manual on Weeds and Their Management.** Gyan Publications, Meerut- 250004. ISBN- 978-93-93456-95-3

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1. Negi, P., **Verma, H.**, Chisti, M., Singh J. P., Bankoti, P., Nautiyal, A. and Chaudhary, S. (2024). Productivity, profitability and quality of bread wheat as influenced by Natural farming, Organic farming and varied NPK doses in irrigated ecosystem of Uttarakhand. National Conference on “Quality Seed Production: Backbone to the National Food Security” March 04-06, 2024 at GBPUA&T, Pantnagar. Page No: 206. ISBN Number: 978-81-963298-2-2
2. Negi, P., Chisti, M., Singh, J. P., Bankoti, P., **Verma, H.**, Nautiyal, A. and Chaudhary, S. (2024). Productivity, profitability and quality of bread wheat as influenced by Natural farming, Organic farming and varied NPK doses in irrigated ecosystem of Uttarakhand. 6<sup>th</sup> International Conference on Agriculture for Sustainable Development, Jan 19-21, 2024. Volume 02, Issue 01, 2024 |ISBN: 978-81-960392-6-4, conducted by Agrivision
3. Negi, P., **Verma, H.**, Chisti, M., Chaudhary, S. and Nautiyal, A. 2023. Yield, quality, soil health and net income of the bread wheat (*Triticum aestivum* L.) as affected by natural farming, organic farming and various doses of NPK in western Himalayan zones of India. International Conference on “Strategies for Global Food and Nutritional Security, Sustainability and Wellness” NUTRI-2023. CCS Haryana Agricultural University, Hisar (Haryana) Dec. 04-06, 2023.pp: 436
4. **Verma, H.**, Singh, J P., Bankoti, P., Negi, P. and Rana, B 2021“Site Specific Nutrient Management (SSNM): an Astonishing Way to Sustain Productivity. Proceedings of ICCFSF-2021, India’s challenge: contemporary farming to smart farming, April, 8-9, 2021. pp: 48- 49, conducted by Graphic Era Hill University
5. Rana, B., **Verma, H.**, Singh, J P. and Bankoti, P (2021) “Standardization of Agronomic Nutrient Management Technology for Enhancing Yield and Quality of Common Bread Wheat (*Triticum asetivum* L.) to Improve the Livelihood Security of Farmers in valley regions nearby Dehradun District of Western Himalayan Zone. 2<sup>nd</sup> International Conference on Advances in Agriculture, Technology and Allied Sciences for Sustainable Development (SERS- GEHU) on 09- 10 October, 2021, pp: 136
6. **Verma, H.**, Singh, J P., Rawat, P B. and Negi, P 2021 “Conservation Agriculture: a sustainable approach for natural resource conservation” “5<sup>th</sup> National Convention of



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7. **Verma, H.**, Singh S P., Singh V P., Mahapatra, B S and Nain, A S 2020 “Weed dynamics and growth of aerobic rice (*Oryza sativa* L.) as influenced by herbicidal and non herbicidal weed management practices under irrigated ecosystem of Indo Gangetic plains” *Webinar on “Impact of Physio-Biochemical Research on Indian Agriculture”* Bihar Agriculture University, Sabour. July 28, 2020. pp: 150- 151. **ISBN: 978-81-950908-0-8**
8. **Verma, H.**, Negi M S and Mahapatra, B S 2019 “Crop growth rate (CGR) and relative growth rate (RGR) of Kalmegh [*Andrographis paniculata* (Burm. f.) Wall. ex Nees] as influenced by Integrated application of organic manures and fertility levels in *Tarai* conditions of Uttarakhand” *International conference on Global perspective in Agriculture & Applied Sciences for Food and Environmental Security* on Dec 1-2, 2019 at UGC- HRDC Hall, Kumaun University, Nainital, Uttarakhand, India pp: 98
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10. **Verma, H.**, Negi, M S., Shukla, A., Mahapatra, B S and Jaipaul 2018 “Effect of Integrated Nutrient Management on growth attributes of Kalmegh [*Andrographis paniculata* (Burm. F.) Wall Nees]” *Second International Conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future* on Oct 20- 22, 2018 at Meerut, U. P. pp: 157-158. **ISBN: 978-81-937106-7-8**
11. **Verma, H** and Singh, S P 2018 “Effect of chemical and non-chemical weed management practices on weed control efficiency and yield attributes of aerobic rice (*Oryza sativa* L.) under irrigated ecosystem” *National Agronomy Congress: redesigning agronomy for nature conservation and economic empowerment* on Feb 20-22, 2018 organized by Pantnagar Agronomy Society. pp: 263-264

12. Mahapatra B S., Singh S M., Negi M S, Shukla A., Ardeep and **Verma H** 2018 “Effect of irrigation and hydrogel on seed and Stover yields of Indian Mustard” *National Agronomy Congress: redesigning agronomy for nature conservation and economic empowerment* on Feb 20-22, 2018 organized by Pantnagar Agronomy Society. pp: 174- 176
13. **Verma, H.**, Negi, M S., Mahapatra, B S., Shukla, A., Jaipaul and Omprakash 2019 “Effect of Integrated Nutrient Management on dry herbage and andrographolide yields of *Kalmegh* [*Andrographis paniculata* (Burm. f.) Wall. ex Nees] in Indo-Gangetic plains” *3<sup>rd</sup> international conference on global initiatives in agricultural and applied science for eco friendly environment* on June 16-18, 2019 at Tirubhuvan University, Kathmandu, Nepal. pp:183
14. Solanki, D K., Kala, D C and **Verma, H** 2016 “Organic Farming: its impact on soil health and crop productivity” *25<sup>th</sup> National Conference on National Resource Management in Arid and Semi-arid Ecosystem for climate Resilient Agriculture and Rural Development* on Feb 17-19, 2016 at SKRAU, Bikaner, Rajasthan. pp: 64
15. Chaudhary, S., Shukla, A., Bhushan, C., Negi, M S., Mahapatra, B S and **Verma, H** 2017 “Prospects of transplanting in rapeseed mustard. *3<sup>rd</sup> National Brassica Conference, ICAR-IARI, New Delhi.* pp: 217-218
16. Mahapatra, B S., Negi, M S., Shukla, A., Chaudhary, S and **Verma, H** 2017 “Effect of date of sowing and planting geometry on seed yield, biological yield and harvest index of Indian mustard” *3<sup>rd</sup> National Brassica Conference, ICAR-IARI, New Delhi.* pp: 219-220.
17. Chaudhary, S., Shukla, A., Yadav, A., **Verma, H**, Samarth and Samarpal 2017 “Analysis of the system of root intensification in oil seed *Brassica*” *11<sup>th</sup> Uttarakhand state Science & Technology congress.* pp: 21
18. Mahapatra, B S., Negi, M S., Shukla, A., Chaudhary, S and **Verma, H** 2017 “Long term assessment of mustard seed yield through integrated application of nutrients under maize-mustard-green gram cropping system” *International seminar on oilseed Brassica* February 23-27, 2017 at SIAM, Jaipur, Rajasthan, India. pp: 78
19. Negi, M S., Sinha, R., Shukla, A., Mahapatra, B S., Chaudhary, S and **Verma, H** 2017 “Nitrogen Management through foliar application in Mustard (*Brassica juncea* L. Czern and Cosson.)” *International seminar on oilseed Brassica.* February 23-27, 2017 at SIAM, Jaipur, Rajasthan, India. pp: 83
20. Chaudhary, S., Shukla, A., Kumar, N., **Verma, H.**, Bhushan, C., Negi, M S and Mahapatra, B S 2017” Studies on Agronomic feasibility of SRI (System of root intensification) in oil seed



*Brassica*” International seminar on oilseed Brassica. February 23-27, 2017 at SIAM, Jaipur, Rajasthan, India. pp: 117

**Trainings completed:**

1. Successfully attended online training programme on ”**Transforming Agriculture with ICT and Drone Technology**” jointly organized by **EEL, Nilokheri and MANAGE**, Hyderabad during 03-05 June 2025
2. Successfully completed MANAGE Collaborative online training program on “**ECHO-Natural Farming towards Sustainable Agriculture**” from 24<sup>th</sup> – 26<sup>th</sup> April, 2025 conducted by Extension Education Institute, Directorate of Extension, Department of Agriculture & Farmer’s welfare, Ministry of Agriculture & farmer’s welfare, GOI and Professor Jayashankar Telangana Agriculture University, Hyderabad in collaboration with MANAGE, Hyderabad.
3. Successfully completed online Collaborative Training Program conducted by MANAGE & DAATTC-ANGRAU on ‘**Natural Farming - Ecological Conservation, Sustainability and livelihood security**’ on December 27<sup>th</sup>, 2024.
4. Successfully completed **Online Collaborative Trainings Programmne** entitled “**Sustainable Agriculture**” jointly organized by the State Agricultural Management and Extension Training Institute: **SAMETI**, Jammu and National Institute of Agricultural Extension Management (**MANAGE**) Hyderabad and **SKUAST- Jammu** during August 27-29, 2024
5. Successfully completed **21 days training** on “**Agriculture in Future & Future in Agriculture**” from 20-NOV-2023 to 10-DEC-2023 organized by RVSKVV, Gwalior; ICRISAT, Hyderabad, Junagardh Agriculture University and Agri- Meet Foundation, U.P.
6. Online Collaborative **4 days** Training Program on “ **Agri-preneurship through farming system: a viable techno-economical approach for women empowerment** conducted by ICAR-Central Institute for Women in Agriculture(**ICAR-CIWA**) and MANAGE, Hyderabad from 20-Nov-2023 to 24-Nov- 2023
7. **Four** days online Training Program on “Natural Farming for Sustainable Agriculture” organized by MANAGE, Hyderabad from 04/12/2023 to 08/12/2023
8. Successfully completed **21 days training** program on “**Sugarcane Management and Development**” organized at Indian Institute of Sugarcane Research (IISR), Lucknow from July 01- July 21, 2011
9. Successfully completed **5 days** Training program on “**Technologies for Improving Soil Fertility and Increasing Sugarcane & Sugar Production**” organized at Uttar Pradesh Council of Sugarcane Research, Shahjahanpur (UPCSR), Uttar Pradesh from Sep 02 to Sep 06, 2011
10. Successfully completed **two days** Training program on “**Bamboo Cultivation, Management and Utility**” organized by *National Bamboo Mission* at Agro-forestry Research Centre, Pantnagar from Feb 26- 27, 2014.

11. Successfully completed an “**ISO 9001:2008 Quality Management Systems, Internal Auditor Training**” conducted by Vexil Business Process Services Private Limited at Nigohi, Shahjahanpur, Uttar Pradesh on Nov 07, 2012
12. Successfully completed Practical Training Program on “**Warehousing Model of rice** at Shri Hanuman Industries (High class rice manufacturers and exporter) Rudrapur road, Kichha-263145, Udham Singh Nagar from Aug 02- 31, 2010

### Honors and awards

#### Scholarships/Fellowships

1. Awarded “**National Fellowship**” for the year 2016-17 for pursuing Ph.D. Degree (Doctor of Philosophy) by UGC University Grant Commission, New Delhi w.e.f. 01-04-2016 till the completion of Ph.D. Degree
2. Awarded “**DBT Biology Scholarship Award**” for the year 2007 for securing highest marks in biology in Uttarakhand (**Uttarakhand Biology Topper**) in Intermediate Examination by Department of Biotechnology (DBT), Ministry of Science and Technology, Government of India.
3. Awarded “**Research Assistantship/Graduate teaching assistantship**” during M.Sc. Ag. Agronomy (2013-15) by Directorate of Experimentation Station, Govind Ballabh Pant University of Agriculture & Technology, Pantnagar, Udham Singh Nagar, Uttarakhand, 263145 and project assigned was AICRP-Weed Control.

#### Gold Medals

“**Gold Medalist**” by Department of Biotechnology (DBT), Ministry of Science & Technology, Government of India during Intermediate, 2007 for securing highest marks in biology in Uttarakhand state (Uttarakhand Biology Topper).

#### Awards

1. Awarded and received “**Student excellence award- 2025**” in recognition of the noteworthy research contribution in Agronomy at the time of annual function of college of Agriculture, GBPUA&T Pantnagar on 01 Jan 2025 by Dean Agriculture & Honorable Vice Chancellor of GBPUA&T Pantnagar.
2. Certificate for **research paper award for outstanding and meritorious research paper** entitled “Integrated effect of natural farming concoctions, organic farming practices and different fertilizer doses on productivity and profitability of wheat in western Himalayan zones of India” which was presented at the “**National Research Paper writing competition**” **VISION FOR VIKSIT BHARAT (VIVIBHA-2024**, Bharatiya Shikshan Mandal: Yuva AAYAM Prant Uttarakhand): An ambitious and transformative agenda to build a foundation for Viksit Bharat.
3. Awarded “**Ph. D. Best Thesis Award-2024**” as per the recommendation of Executive council for outstanding contribution in the field of Agronomy on the occasion of International

- Conference entitled "Recent advances in Agriculture for Astmanirbhar Bharat (RAAAB-2024) organized by Agri Meet Foundation U.P., CCSAU Hisar, ICAR-DCR Puttur & IGKV Raipur in joint collaboration with RVSKVV Gwalior, UAS Dharbad Karnataka, SKLTSHU Telangana, GBPUA&T Pantnagar, ICRISAT Hyderabad & RLBCAU Jhansi held during 19-21 April 2024.
4. Awarded "**Best Agronomist Award- 2019**" during *International conference on "Global perspective in Agriculture & Applied Sciences for Food and Environmental Security (GAAFES- 2019)"* at UGC- HRDC Hall, Kumaun University, Nainital, Uttarakhand, India
  5. Awarded "**Best Master Thesis Award**" during "*3<sup>st</sup> International Conference on Global Initiatives in Agricultural and Applied Science for Eco friendly Environment (GIASE-2019)*" on June 16-18, 2019 at Tirubhuvan University, Kathmandu, Nepal
  6. Awarded "**Best Article Award** entitled "Vermicompost: an eco-friendly approach of Nutrient Management in field crops" by *Agriculture & Food e-Newsletter*. ISSN: 25818317 (Vol: 1, issue 05)
  7. Awarded for "**Contributing Time and Effort towards Society in the Spirit of Service**" on December 11, 2012 by Managing Director (Puneet Yadu Dalmia and Gautam Dalmia) of Dalmia Bharat Enterprise Limited, India.
  8. Awarded for qualifying "**Bhartiya Sanskriti Gyan Pariksha**" on Feb 15, 2006 conducted by **Akhil Visva Gayatri Parivar, Shantikunj, Haridwar**
  9. "**Innovative article award**" for article no. 21723 entitled "Weed Management in sugarcane through herbicides" on 22-08-2019 published in volume 01, issue: 08 in *Agriculture & Food e- Newsletter*.
  10. Awarded for Successfully Participation in **Slogan Writing Competition** organized by Rotary Club Pantnagar during Eye Donation Fortnight August 25<sup>th</sup>, 2006 to Sep 7<sup>th</sup>, 2006.
  11. Awarded for successfully completing Summer Training Program on "**Flute play**" on May 27 to June 11, 2006 organized by Vivekanand Swadhyay Mandal, Pantnagar
  12. Awarded for Participation in **Art Competition (Theme: Hamare Swamiji)** organized by Vivekanand Swadhyay Mandal, Pantnagar during 2002
  13. "**Third Batch Topper**" in class VIII (batch 2002-03) at Pantnagar Inter College, Pantnagar, Udham Singh Nagar, Uttarakhand
  14. "**Second Batch Topper**" in class IX (batch 2003-04) at Pantnagar Inter College, Pantnagar, Udham Singh Nagar, Uttarakhand
  15. "**Second Batch Topper**" in class XI (batch 2005-06) at Pantnagar Inter College, Pantnagar, Udham Singh Nagar, Uttarakhand
  16. "**Third Batch Topper**" in class XII (batch 2006-07) at Pantnagar Inter College, Pantnagar, Udham Singh Nagar, Uttarakhand

### **Honors in Participation**

#### **Webinars/ Online Seminars**

1. Successfully completed one day webinar on "**Drones in Agriculture**" organized by Krishi career academy and bio research community on 2<sup>nd</sup> Feb 2025.
2. Participated in **International Conference entitled "Recent advances in Agriculture for Astmanirbhar Bharat (RAAAB-2024)** organized by Agri Meet Foundation U.P., CCSAU Hisar, ICAR-DCR Puttur & IGKV Raipur in joint collaboration with RVSKVV Gwalior, UAS Dharbad Karnataka, SKLTSHU Telangana, GBPUA&T Pantnagar, ICRISAT Hyderabad & RLBCAU Jhansi held during 19-21 April 2024.

3. Participated in state level seminar on **Agriculture Education in Future perspective** jointly organized by Agrivision Uttaranchal and SGRR University, Dehradun on 7<sup>th</sup> May 2022 at SGRR University, Dehradun
4. Participated in International webinar on “ **Role of Legumes and Pulses in Sustainable Cropping System of Hot Arid Zone**” under the Aegis of World Bank- ICAR Funded National Agricultural Higher Education Project (NAHEP) organized by SKNRAU, Bikaner (Raj.) on July 17, 2021
5. Participated in Online webinar on “**Button Mushroom Cultivation: Scope, Opportunities and Challenges**” on June 18, 2021 under the aegis of World Bank-ICAR Funded National Agricultural Higher Education Project (NAHEP) organized by Directorate of Research, Sri Karan Narendra Agriculture University, Jobner, Rajasthan
6. Participated in National Conference on “**India’s Challenge- Contemporary Farming to Smart Farming**” organized by University Institute of Agricultural Sciences on 8<sup>th</sup> - 9<sup>th</sup> April, 2021 at Chandigarh University, Gharuan, Mohali, Punjab.
7. Participated in **FloraFauna Innovation Summit- 2021**, “**Khet Se Sehat (Farm to Health)**” jointly organized by FloraFauna Science Foundation (FFSF) Lucknow and Shri Guru Ram Rai University (SGRRU) Dehradun on 13<sup>th</sup> February 2021.
8. Participated in “**International Webinar on Urban Farming- Soil Less Cultivation**”, organized by Department of Botany, Sri Venkateshwara University, Tirupati, A. P., India on 27<sup>th</sup> January 2021.
9. Participated in National Webinar on “**Stored Product Protection in Era of Climate Change**” organized by Bihar Agricultural University, Sabour, Bhagalpur held on 23-24 July 2020 (Two Days).
10. Participated in 12<sup>th</sup> IFSDA International Webinar on “**Trends in Technology for Agriculture, Food, Nutrition, Environment and Health**” organized by Jagannath University, Haryana held on 02 October 2020
11. Participated in online seminar on “**Agriculture Entrepreneurship opportunities**” on 7<sup>th</sup> and 8<sup>th</sup> July 2020 organized by Corpians
12. Participated in online webinar on **Bio-resources and Technological Tools for Organic & Eco-friendly Farming** jointly organized by School of Agricultural Sciences (SGRR university Dehradun) and Flora Fauna Science of Foundation Lucknow (U.P.) on 23 June 2020
13. Participated in Online seminar on “**Soft Skills & Personality Development** on 4<sup>th</sup> & 5<sup>th</sup> June 2020 organized by CORPIANS
14. Participated in National Webinar on “**Technological Advances in Crop Production**” during COVID-19 on 16-06-2020 organized by Directorate of Research, S. K. Rajasthan Agriculture University (SKRAU), Bikaner
15. Participated in International Webinar on “**Urban Farming- Mushroom Cultivation**” organized by Department of Botany, Sri Venkateswara University, Tirupati, A. P., India on 27<sup>th</sup> February 2021 at zoom meeting.
16. participated in International Webinar on “**Urban Farming- Cultivation of Medicinal plants in Hydroponics**” held on 27th March 2021 at Zoom Meeting organized by SLI International Webcasting centre, department of botany, Sri Venkateswara University, Tirupati, A. P., India
17. Participated in one day workshop on **Quality Enhancement in Higher Education and Research in the Perspective of National Education Policy** on 11<sup>th</sup> April 2022 conducted by Internal Quality Assurance Cell (IQAC), Shri Guru Ram Rai University, Dehradun, Uttarakhand

18. Participated in “**Workshop on Poverty, Hunger, Food security and Nutrition**” From concepts to Measurement held at department of Agricultural Economics, College of agriculture, G. B. Pant *University of Agriculture & Technology, Pantnagar, Uttarakhand jointly organized by Indira Gandhi Institute of Development Research*(A deemed University), Mumbai and GBPUAT Pantnagar on August 23, 2014 as a part of initiative Tackling agriculture Nutrition Disconnect in India (TANDI-Phase II), supported by the Bill and Melinda Gates foundation.
19. Participated in two days National Symposium on **ECM Technology for safe , Secure and Profitable Food Production** organized by Agronomy Society, Department of Agronomy, College of Agriculture, GBPUA&T Pantnagar (Uttarakhand) on October 10 & 11, 2014.
20. Participated in one day Brain Storming Session on “**Indigenous and Traditional Knowledge of Agriculture in relation to Intellectual Property**” on 21<sup>st</sup> May, 2015 organized by Uttarakhand Chapter of Asian Agri History Foundation of G. B. Pant University of Agriculture and Technology, Pantnagar, Udham Singh Nagar, Uttarakhand
21. Participated in “**Fertilizer Orientation Course**” conducted by Fertilizer Association of India-Northern Region at Department of Soil Science, College of Agriculture, G. B. Pant University of Agriculture & Technology Pantnagar, Uttarakhand during April 29-30, 2015.
22. Participated in One Day Brain Storming Workshop in “**Climate change: Distress or opportunity**” organized by G. B. Pant University of Agriculture & Technology, Pantnagar in collaboration with NABARD and Pantnagar Chapter AAM on March 23, 2017.
23. Participated in National Workshop on “**Innovation in Traditional Agriculture for Sustaining Humanity**” on 29-30 August, 2017 organized by Uttarakhand Chapter of Asian Agri History Foundation (UCAAHF) of G. B. Pant University of Agriculture & Technology, Pantnagar.
24. Participated in one day workshop on “**Miraculous Anolyte Water and Its Uses in Agriculture**” organized by Department of Agro-meteorology, held on 23<sup>rd</sup> May 2019 at college of Agriculture, GBPUA&T, Pantnagar, Uttarakhand

**Organization of Scientific program/ visits etc as team member/ coordinator**

1. As **joint organizing secretary** of the 1<sup>st</sup> International conference on challenges and opportunity in Agriculture and Allied Sciences: towards sustainable future. Jointly organized by GBPUA&T Pantnagar and society for advancement in agriculture & allied sciences, Lucknow. 27-29 June 2025.
2. As **member** for organization of “**E- quiz competition**” among students of School of Agricultural Sciences, SGRR University, Dehradun from **01/07/2020 to 07/07/2020**.
3. As **member** for organization of “**National Webinar on Bio- resource and Technological Tools for Organic and Eco- friendly Farming**” on **23/06/2020** via virtual platform (via Google meet) on 11:00 AM to 1:00 PM jointly organized by School of Agricultural Sciences (SAS-SGRRU) and Flora-Fauna Science Foundation, Lucknow.
4. As coordinator for organization of one day educational visit of students of M. Sc. Ag. Agronomy and Ph. D. Agronomy to **Navdhaniya Biodiversity farm (Beej Dham), Sherpur** for study of organic cultivation of the crops.
5. As core team member for organizing “**Flora- Fauna Innovation Summit- 2021**”, jointly organized by Flora-Fauna Science Foundation (FFSF), Lucknow and Shri Guru Ram Rai University (SGRRU), Dehradun on 13<sup>th</sup> Feb 2021
6. Organisation of one day educational visit of B. Sc. Ag. 8<sup>th</sup> semester (final year) students of SAS-SGRRU to **Doiwala Sugar Limited, Doiwala, Dehradun** to get them acquainted with



entrepreneurship development through processing of commercial crops (Sugarcane) under ELP course of the last semester.

7. Organisation of one day educational visit of B. Sc. Ag. final year students of SAS- SGRRU to **Coordinated organic farming project at Harrawala and Shiv oil extraction unit at Dispensary road, Dehradun** to get them acquainted with entrepreneurship development through processing of commercial crops (mustard) under ELP course of the last semester.
8. Organisation of one day educational visit of B. Sc. Ag. Final year students of SAS- SGRRU to **Center for Aromatic plants (CAP- Industrial area), Salaqui** to get them acquainted with Aromatic crops, Distillation processes, and Aroma products under ELP course of the last semester.
9. Organisation of **National Farmer's Day** (23 Dec 2022) at Surajmal University Kichha
10. Organisation of **World Environmental Day** (5 June 2023) at Surajmal University, Kichha
11. Organisation of Tree Plantation drive on the occasion of **Harela festival** at Surajmal University, Kichha
12. Coordinator of one day educational visit of B. Sc. Ag. students to **sugar mill limited, Kichha ( Surajmal University, Kichha**
13. Coordinator of one day educational visit of B. Sc. Ag. Students to **Livestock and poultry farm at GBPUA&T, Pantnagar.**
14. Coordinator of one day educational visit of B. Sc. Ag. Students to **Aanchal dairy lalkuan, U. S. Nagar.**

#### Management works

1. Active member of the **Discipline committee** of the Surajmal University Kichha
2. Active member of the **Exam Moderation committee** of the Surajmal University Kichha
3. Active member of the **Academic council** of the University, Surajmal University Kichha
4. Examination **paper setter** of the Kumaun University, Nainital
5. End semester examination's **paper setter** for PhD agronomy and B. Sc. Ag. of SGRR University, Dehradun, Uttarakhand
6. Member of the **sport day/ week** of the Surajmal University Kichha
7. Member of **Anti- ragging committee** of the Surajmal University, Kichha
8. Member of **Placement cell** of the Surajmal University Kichha
9. Member of Training and Placement cell of the Surajmal University, Kichha.
10. Member for implementing and furnishing NEP-2020 syllabus and ordinance of B. Sc. (H.). Ag. as per VI Dean's committee guidelines at Surajmal University, Kichha.

#### "B" Certificate of National Service Scheme (NSS)

1. Passed the **National Service Scheme (N. S. S.) "B" Certificate Examination** held at Pantnagar in 2008-09 under the provision of Government order No. 319/XXIV(9)/NSS/76(06) dated 19 march, 2008 and related Government orders of national Service Scheme cell, Government of Uttarakhand.

#### Memberships of Professional Society

1. Life Member of **Indian Society of Weed Science (ISWS)** Membership number LM-1226
2. Life member of **ATDS (Agriculture Technology Development Society)**. From May 2019
3. Life member of **AETDS (Agriculture and environmental Technology Development Society)** from November 2019

### **Editorial Member**

1. Editorial member of **Agriculture Letters**: a monthly peer reviewed newsletter for agriculture and allied sciences, Raichur, Karnataka (<https://agletters.in>)

### **Reviewer of Journal**

1. Reviewer of the Journal “**Current Agriculture Research Journal**” from 24- November, 2021 [www.agriculturejournal.org](http://www.agriculturejournal.org)
2. Certificate of recognition in excellent contribution to “**Current Agriculture Research Journal**” as reviewer for the year 2023, **24 March 2023**
3. Certificate of recognition in excellent contribution to “**Current Agriculture Research Journal**” as reviewer for the year 2023, **08 June 2023**
4. Certificate of recognition in peer reviewing articles in “**Journal of Global Agriculture and Ecology**” Certificate No: IKP/PR/Cert/11802/DRH
5. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of journal “**International Journal of Environment and Climate Change** on **13 DEC 2023**
6. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of journal “**International Journal of Environment and Climate Change**” Certificate No: SDI/HQ/PR/Cert/111221/DRH on **23 DEC 2023**.
7. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of the book “**BP International**” Certificate No: BPI/PR/Cert/7533E/DRH
8. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of the book “**BP International**” Certificate No: BPI/PR/Cert/7556E/DRH
9. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of journal “**Asian Journal of Soil Science and Plant Nutrition**” on **27-02-2024**. Certificate No: PRAJSSPN113958HIM
10. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of journal “**International Journal of Plant & Soil Science**” Certificate No: PRIJPSS113510HIM. On **27-02-2024**
11. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of journal “**Asian Journal of Advances in Research**” Certificate No: MBIMPH/PR/Cert/3265/DRH on **02-03-2024**
12. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of journal “**Current Journal of Applied Science and Technology**” on **06-03-2024**. Certificate No: PRCJAST114267HIM
13. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of journal “**Asian Soil Research Journal**” on **02-04-2024**. Certificate No: PRASRJ114939HIM
14. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of journal **Asian Journal of Agricultural and Horticultural Research** on **23.04.2024**. Certificate No: PRAJHR116505HIM
15. Certificate of excellence in peer reviewing awarded in recognition of an outstanding contribution to the quality of book published by **B P international** on 22 may 2024, **Certificate No: PI/PR/Cert/BPR\_1002/DRH**
16. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of “**Journal of Advances in Biology & Biotechnology**” on 05.06.2024. **Certificate No: PRJABB117930HIM**

17. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of **“Asian Journal of Soil Science and Plant Nutrition”** on 06.08.2024. **Certificate No: PRAJSSPN119864HIM**
18. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of **“Journal of Scientific Research and Reports”** on 04.10.2024. **Certificate No: PRJSRR122842HIM**
19. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of **“International Journal of Plant & Soil Science”** on 15.10.2024. **Certificate No: PRIJPSS125443HIM**
20. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of **“Journal of Experimental Agriculture International”** on 22.10.2024. **Certificate No: PRJEAI125877HIM**
21. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of **“Journal of Experimental Agriculture International”** on 25.03.2025. **Certificate No: PRJEAI133430HIM**
22. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of **“International Journal of Plant & Soil Science”** on 17.04.2025. **Certificate No: PRIJPSS134773HIM**
23. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of **“Journal of Scientific Research & Reports”** on 22.04.2025. **Certificate No: PRJSRR135001HIM**
24. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of **“Archives of Current Research International”** on 01-05-2025. **Certificate No. PRACRI135587HIM**
25. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of **“Journal of Scientific Research & Reports”** on 14-05-2025. **Certificate No: PRJSRR136342HIM**
26. Certificate of excellence in reviewing awarded in recognition of an outstanding contribution to the quality of **“Asian Journal of Soil Science and Plant Nutrition”** during June 2025. **Certificate No: PRAJSSPN138936HIM**

**Faculty Development Program/ orientation/ refresher course/ Professional Courses/ MOOCs**

1. Successfully completed **Faculty Development Program (FDP)** on **“Integration of Indian knowledge System (IKS) in Agriculture Education: Challenges & Opportunities”**, organized by School of Agriculture, Uttaranchal University, Dehradun from **21<sup>st</sup> July 2025 to 18<sup>th</sup> July 2025**.
2. Successfully participated & completed **12 weeks Online Training Program on “Natural Farming - Principles and Practices”** organized by MANAGE Hyderabad from **(to be continued)**
3. Successfully participated & completed **AICTE training and learning (ATAL) academy faculty development program** on **“Navigating the challenges and harnessing the opportunities of industry 4.0 in modern manufacturing systems”** at Narayana academy of managerial excellence from 16/12/2024 to 21/12/2024.
4. Successfully completed **31 days MOOCs based eLearning Programme** on **“ Sustainable Soil Management”** from June 01, 2014 to June 31, 2024 conducted by MANAGE, Hyderabad., India.



5. Successfully completed **8 weeks NPTEL- AICTE Faculty Development Program (FDP)** from January to March 2024, the FDP certificate is acceptable for promotion under CAS as per AICTE notification dated 16<sup>th</sup> NOV 2023 similar to refresher/ orientation course.
6. Successfully completed faculty development program (FDP) on “**Indian Knowledge system**” under the scheme of **UGC- MMTTC** (Malviya Mission Teachers Training Centre) organized by **Central University of Jammu** (MMC-035-2024-JAN8A-00748) dated from **09-JAN-2024 to 18-JAN-2024**.
7. Successfully completed Faculty Development Program on “**Innovation and Intellectual Property Rights**” in Agri- Horticulture & Allied Sciences from **6<sup>th</sup> to 10<sup>th</sup> July, 2021** organized by Amity Food & Agriculture Foundation, Amity University of Horticultural Studies and Research, and Amity Institute of Organic Agriculture, Amity University, Uttar Pradesh, India
8. Successfully completed **two weeks** professional Development Program on “**recent trends in Agriculture for Sustainable Food and Nutritional Security**” organized by Integral Institute of Agricultural Science and Technology (IIAST), Integral University, Lucknow from 23-11-2021 to 07-12-2021.

**NPTEL Course completion**

1. Successfully completed **8 week NPTEL online certification** course “**Nanotechnology in Agriculture**” with a consolidated score of 76 % (online assignment 23.33/25 + proctored examination 52.5/ 75), organized by **UGC, Swayam, IIT Kharagpur & Kanpur** from January to March 2024. Roll No: NPTEL24BT30S359000008, financed by Ministry of Education, GOI.

***Declaration:*** *I hereby declare that all information is true to the best of my knowledge and belief.*



**Dr Himanshu Verma**  
**Signature**

**Date: 23-07-2025**