

## Curriculum Vitae

- ❖ **Name** : **Dr. Varsha Pandey**  
❖ **Parentage** : **Sh. Yogesh Chandra Pandey**  
❖ **D.O.B.** : **04/08/1993**  
❖ **Nationality** : **Indian**  
❖ **Marital status:** **Married**



<u>Permanent Address</u>	<u>Correspondence Address</u>
D/O Sh. Yogesh Chandra Pandey Mandir marg phase II, Devendra puri, Badi mukhani, Pilikothi, Haldwani, Uttarakhand-263139 Mob.No. <b>9690325113</b> E-mail: <a href="mailto:varshapandey.p93@gmail.com">varshapandey.p93@gmail.com</a>	Global heights society, Sohna road, Gurugram, Haryana-122103 Mob.No. <b>9690325113</b> E-mail: <a href="mailto:varshapandey.p93@gmail.com">varshapandey.p93@gmail.com</a> <a href="mailto:varsha.pandey@gdgu.org">varsha.pandey@gdgu.org</a>

### ❖ Career Objective

- To be a part of organization where the management structure recognizes and rewards loyalty, honesty, hard work and ambition of an employee by providing growth opportunities and necessary infrastructure that could contribute to the success of organization.
- Adapt at utilizing advanced analytical techniques and innovative approaches to solve complex agricultural challenges. Seeking an R&D position to contribute to the development of sustainable and effective agrochemical solutions that enhance crop protection and yield, while supporting environmental stewardship and advancing agricultural science.

### ❖ Professional contributions

- Develop new courses, course curricula, hybrid pedagogies, e-content and interactive teaching platforms & assess methodological based on cognitive skills.
- Develop an independent research programme and undertake research for improving farm sector for food, nutritional and livelihood security, driven by innovation and translational research.
- Build strong linkages within and outside the organization with stakeholders for an integrated approach to academic and research endeavors through well experienced professional skills.
- Bring together an additional funding through winning research proposals targeting specialized areas of action through a trans-disciplinary and multi-institutional research.
- Work towards overall institutional growth through intellectual output, developing policy frameworks.
- Representing institution at national and international platforms by organizing

various hybrid events.

#### ❖ Goals

- **Innovative solutions:** To develop innovative agrochemical products that improve crop yield and resistance to pests and diseases, ensuring sustainable agricultural practices.
- **Research Excellence:** To lead cutting-edge research projects that push the boundaries of agrochemical science, contributing to the advancement of knowledge and technology in the field.
- **Environmental Stewardship:** To create eco-friendly agrochemical solutions that minimize environmental impact and promote biodiversity, aligning with global sustainability goals.
- **Collaboration and Leadership:** To foster collaborative efforts with multidisciplinary teams and industry partners, driving the successful commercialization of new agrochemical products.
- **Professional Growth:** To continuously enhance my expertise in agrochemical research and development through ongoing education, training, and participation in industry conferences and seminars.

#### ❖ Professional Qualification

Ph.D. Soil Science	G. B Pant University of Agriculture and Technology, Pantnagar <b>Thesis title: “Use of STCR approach for optimization of integrated nutrients recommendation in maize (<i>Zea mays</i> L.) - wheat (<i>Triticum aestivum</i> L.) crop rotation to obtain better growth and yield”</b>	<b>85.22%</b>	2022
M.Sc. Ag (Soil Science)	G. B Pant University of Agriculture and Technology, Pantnagar <b>Thesis title: “Assessment of soil health under different land use systems in a Mollisol”.</b>	<b>84.53%</b>	2018
BSc Agriculture	G. B Pant University of Agriculture and Technology, Pantnagar	<b>77.76%</b>	2015
Class XII	Aryaman vikram birla institute of learning, Haldwani (CBSE)	<b>91.60 %</b>	2010
Class X	Aryaman vikram birla institute of learning, Haldwani (CBSE)	<b>90%</b>	2008

❖ **Total experience: 4 year and 2 months of teaching & research experience**

S. No.	Name of the post held on regular basis	Name & Address of Employer	Period with last pay drawn		Duties
			From	To	
1	Assistant Professor (Soil Science)	1.5 years GD Goenka University, Gurugram, Haryana	9 <sup>th</sup> January 2023	Presently	Teaching, Research and Extension
2.	Assistant Professor (Soil Science)	1 year KR Mangalam University, Gurugram, Haryana	6 <sup>th</sup> January 2022	6 <sup>th</sup> January 2023	Teaching, Research and Extension
3.	Young Professional	1.9 years GBPUAT, Pantnagar	27 <sup>th</sup> Feb 2020	9 <sup>th</sup> Dec 2021	Research and extension

❖ **Achievements/Activities**

National Service Scheme	<ul style="list-style-type: none"> <li>Got National Service Scheme <b>B and C</b> certificate</li> </ul>	
Rural Agricultural Work Experience (RAWE)	<ul style="list-style-type: none"> <li>The duration of <b>RAWE</b> was <b>full time one semester</b>.</li> <li>It comprises of <b>Village attachment, Plant Clinic</b> and <b>Field Visits</b></li> <li>It also had <b>Industrial attachment, Planning and Management of Micro watershed</b> and <b>Professional training</b>.</li> </ul>	2014-15
Practical Crop Production	<ul style="list-style-type: none"> <li>The duration of course was <b>one full agricultural year</b></li> <li>It involved all crop management operations including the <b>maintenance of account and working out profits</b> in both <i>Kharif</i> and <i>Rabi</i> season.</li> </ul>	2012-13
Medal and award	<ul style="list-style-type: none"> <li>Winner of <b>gold medal and Indian Society of Soil Science Zonal Award</b> for the North zone (Best presentation of M.Sc. thesis).</li> </ul>	2018
	<ul style="list-style-type: none"> <li>Winner of <b>Plantica Young Scientist Award-2021</b> organized by Association of Plant Science Researchers (APSR), Plantica foundation.</li> </ul>	2021
	<ul style="list-style-type: none"> <li>Recipient of <b>Best Ph.D. thesis award, Soil Science</b> organized by Agro Environmental Education &amp; Farmers Welfare Society</li> </ul>	2022

	(AEEFWS).	
	<ul style="list-style-type: none"> <li>Recipient of <b>Best Thesis Award – Ph.D.</b> in recognition of innovative research work done in the field of Soil Science organized by Association of Plant Science Researchers (APSR), Plantica foundation.</li> </ul>	2022
	Receipient of Global Excellence Award-2023 organized by Bhavya foundation	2023
NET-ICAR	<ul style="list-style-type: none"> <li><b>Qualified NET (II)-2018 and 2019.</b></li> </ul>	

❖ **Other achievements**

- Worked as an **external expert** of the course Soil fertility & fertilizer use in **Kumaun University Nanital, Uttarakhand.**
- Delivered lecture on Vermicomposting as a part of **Add-On Course on Eco- Friendly Agriculture** organized by **Department of Botany, Gargi College University of Delhi.**
- Working as a reviewer of **International Journal of Environment and Climate Change, International Journal of Plant & Soil Science and Asian Journal of Soil Science and Plant Nutrition.**

❖ **Publications and Trainings attended**

<b>Training, Conferences and FDP</b>	<ul style="list-style-type: none"> <li>Attended '<b>Fertiliser Orientation Course</b>' conducted by FAI at GBPUA&amp;T, Pantnagar.</li> </ul>	2015
	<ul style="list-style-type: none"> <li>Poster presentation at 2<sup>nd</sup> International Conference on Advances in Agricultural, Biological and Applied Sciences for Sustainable Future (ABAS-2018) at Meerut on the topic Soil acidity, its effect on crop production and management of acid soils.</li> </ul>	2018
	<ul style="list-style-type: none"> <li>Poster presentation at UCOST - Uttarakhand state science and technology conference, Dehradun on Assessment of soil health under different land use systems in a Mollisol.</li> </ul>	2019
	<ul style="list-style-type: none"> <li>Oral presentation at Global Perspective in Agricultural and Applied Sciences for Food and Environmental Security (GAAFES-2019) at Naintal, UK, India on Soil Test Crop Response: An approach towards integrated nutrient management.</li> </ul>	2019
	<ul style="list-style-type: none"> <li>Oral presentation at National webinar on "<b>Zero Budget Natural Farming</b>" organised by Plantica at Zoom cloud meeting platform on the topic ZBNF: An effective way to improve soil health.</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Oral presentation virtually on effect of blanket recommendation and STCR recommendation on maize-wheat cropping system during 29<sup>th</sup> national web conference on sustainable soil and water management for biodiversity conservation, food security and climate resilience organized by Soil Conservation Society of India (SCSI).</li> </ul>	2020

	<ul style="list-style-type: none"> <li>• Poster presentation virtually on impact of different mode of nutrition on NPK uptake by maize-wheat cropping system in a Mollisol during 2<sup>nd</sup> Asian web conference on Managing hill resources and diversities for zero hunger and climate resilience organized by Soil Conservation Society of India (SCSI).</li> </ul>	2021
	<ul style="list-style-type: none"> <li>• Oral presentation on effect of Integrated use chemical fertilizers, FYM and green manures on soil fertility after maize harvesting in maize-wheat cropping system in a Mollisol during National web seminar on Natural Resource Conservation and Management, ANRCM, Lucknow.</li> </ul>	2021
	<ul style="list-style-type: none"> <li>• Participated in Faculty Development Programme on "<b>Role of Microbes in Sustainable Agriculture: Retrospective &amp; Perspective</b>" held on 11-12<sup>th</sup> February 2022 organized by Faculty of Agriculture, Sri Sri University, Cuttack, Odisha.</li> </ul>	2022
	<ul style="list-style-type: none"> <li>• Poster presentation and delivered a talk on Artificial Intelligence in Agriculture in the International Conference on "<b>Advances in Agriculture &amp; Food System towards SDG</b>" (AAFS-2022) at UAS, Bangalore.</li> </ul>	2022
	<ul style="list-style-type: none"> <li>• Attended 1-week Virtual training programme on "<b>Recent Advances in Crop Production</b>" organized by Sri Sri University, Cuttack, Odisha.</li> </ul>	2022
	<ul style="list-style-type: none"> <li>• Attended 15 days International Training cum Workshop programme on "<b>Agriculture 4.0: The future of Farming Technology &amp; Agripreneurship Development</b>" jointly organized by SKUAST, AEEFWS and Just Agriculture- The magazine.</li> </ul>	2022
	<ul style="list-style-type: none"> <li>• Participated in the "<b>National Webinar on Moringa: The Tree of Life</b>" organized by EDII- Periyakulam Horti Business Incubation Forum in association with Department of Vegetable Science at Horticultural College &amp; Research Institute TNAU, Periyakulam.</li> </ul>	2022
	<ul style="list-style-type: none"> <li>• Participated in 3-days online Training Programme on "<b>Soil Health Management: Concepts and Practices</b>" organized by Academy of Natural Resource Conservation and Management (ANRCM), Lucknow, U.P.</li> </ul>	2022
	<ul style="list-style-type: none"> <li>• Attended "<b>Global Symposium on Soils for Nutrition</b>" held virtually for 4 days organized by Food &amp; Agricultural Organization of the United Nations.</li> </ul>	2022
	<ul style="list-style-type: none"> <li>• Attended 21 days International Training cum Certificate Course on <b>Agriculture Drones "Revolutionizing the future of Agriculture"</b> organized by Agri meet foundation and Aviana in collaboration with ICAR-IISR, UPCAR Lucknow, MPUAT, CAIE, NABARD, NAHEP &amp; ITM University Gwalior MP.</li> </ul>	2022
	<ul style="list-style-type: none"> <li>• Participated and presented a paper titled "<b>Nanomaterials &amp; Nano fertilizers</b>" in the International Conference on Nanotechnology: Opportunities &amp; Challenges (ICNOC-2022).</li> </ul>	2022
	<ul style="list-style-type: none"> <li>• Attended 3 days National Conference cum Workshop on "<b>Drones: A Boom for Agriculture</b>" jointly organized by School of Advanced Agriculture Sciences &amp; Technology, CSJM University Kanpur &amp; Agri Meet foundation.</li> </ul>	2023
	<ul style="list-style-type: none"> <li>• Participated in 2 days National Seminar cum Workshop on "<b>Mushroom cultivation with Agri Business Management</b>" organized by PLANTICA- Indian Academy of Rural Development Dehradun &amp; Uttarakhand Open University, Haldwani.</li> </ul>	2023

	<ul style="list-style-type: none"> <li>Participated and presented a paper titled <b>Nutrient management technologies of millets for sustainable agriculture</b> in the National Seminar on Climate Resilient Millet Production Technologies for Sustainable Agriculture organized by College of Agriculture Tripura.</li> </ul>	2023
	<ul style="list-style-type: none"> <li>Attended 21 days training certificate-cum-training program on <b>“AGRI SKILL INDIA” (ASI – 2023)</b> from 9<sup>th</sup> April to 29<sup>th</sup> April 2023 jointly organized by ICAR-Indian Institute of Maize Research, Punjab &amp; Hindustan Agricultural Research Welfare Society (HARWS), Agra.</li> </ul>	2023
	<ul style="list-style-type: none"> <li>Participated and presented a paper titled Impact Of Soil And Nutrient Management Practices On Soil Quality Index In Subtropical Mollisols in <b>87<sup>th</sup> Annual Convention of Indian Society of Soil Science at ISSS, Bhopal</b> during Oct 3-6 2023.</li> </ul>	2023
<b>Research papers Published</b>	<ul style="list-style-type: none"> <li>Assessment of physical properties of soil under different land use systems in a Mollisol in Journal of Pharmacognosy and Phytochemistry 2018, 7(6): 2645- 2648. (NAAS rating 5.21).</li> </ul>	2018
	<ul style="list-style-type: none"> <li>Assessment of Chemical Properties of Soil under Different Land use Systems in a Mollisol in International journal of current microbiology and applied sciences 2019, 8(11): 1165-1175. (NAAS rating 5.38).</li> </ul>	2019
	<ul style="list-style-type: none"> <li>Study of Microbial Count in Soil under Different Land Use Systems in a Mollisol in International journal of current microbiology and applied sciences 2019, 8(1): 16-21. (NAAS rating 5.38).</li> </ul>	2019
	<ul style="list-style-type: none"> <li>Correlation between physical, chemical and biological properties of soil under different land use systems in International Journal of Chemical Studies 2019, 7(1): 469-471. (NAAS rating 5.31).</li> </ul>	2019
	<ul style="list-style-type: none"> <li>Effect of Integrated Use of Organic Manures and Chemical Fertilizers under Soil Test Crop Response Approach on Soil Properties and Yield of Maize (<i>Zea mays</i> L.) in International Journal of Plant &amp; Soil Science 2021, 33(10): 40-47 (NAAS rating 5.07).</li> </ul>	2021
<b>Popular articles</b>	<ul style="list-style-type: none"> <li>Organic Matter: The Heart of the Soil in Agrobios (Newsletter) October 2019 / VOLUME XVIII / ISSUE NO. 05.</li> </ul>	2019
	<ul style="list-style-type: none"> <li>Soil Pollutants and their Impact on Crop Production in Agrobios (Newsletter) December 2019 / VOLUME XVIII / ISSUE NO. 07.</li> </ul>	2019
	<ul style="list-style-type: none"> <li>Nutrient Movement in Soils to the Plant Roots in Agrobios (Newsletter) February 2020 / VOLUME XVIII / ISSUE NO. 09.</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Vermicomposting in Agrobios (Newsletter) March 2020 / VOLUME XVIII / ISSUE NO. 10.</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Conservation Tillage and Its Impact on Soil Quality in Agri Mirror: Future India (AIASA agriculture magazine) Vol 1: Issue 5 September 2020.</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Bioremediation of Polluted Soils in Agri Mirror: Future India (AIASA agriculture magazine) Vol 1 Issue 6: October 2020.</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Locusts Attack and Its Control by Soil Pesticide in Agri Mirror: Future India (AIASA agriculture magazine) Vol 1 Issue 4: August 2020.</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Potassium Solubilizing Bacteria (KSB) in Agri Mirror: Future India (AIASA agriculture magazine) Vol 1: Issue 2 June 2020.</li> </ul>	2020
<ul style="list-style-type: none"> <li>Real Time Nitrogen Management Under SSNM in Agri Mirror: Future India (AIASA agriculture magazine) Vol 1 Issue 3: July 2020.</li> </ul>	2020	

	<ul style="list-style-type: none"> <li>Hydrogels: A 'Miniature Water Reservoir' in Readers Shelf VOLUME NO. 16, ISSUE NO.11 (ISSN No. 2321-7405).</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Remote Sensing and Its Application in Agriculture in Readers Shelf VOLUME NO. 17, ISSUE NO.01 (ISSN No. 2321-7405).</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Soil carbon: A solution to the changing climate and carbon dioxide mitigation in Harit Dhara 3(2) July – December 2020.</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Problems and management of hill soils in Agri Mirror: Future India (AIASA agriculture magazine) Vol 2 Issue 1: January 2021.</li> </ul>	2021
	<ul style="list-style-type: none"> <li>Importance of Boron in Crop Production in Just Agriculture e-newsletter Vol.1 Issue-10, JUNE 2021</li> </ul>	2021
	<ul style="list-style-type: none"> <li>Soil salinity and its effect on plant growth in AgriGate e-magazine, Issue 03, June 20-21.</li> </ul>	2021
	<ul style="list-style-type: none"> <li>Management of sandy soils in Just Agriculture e-newsletter Vol.1 Issue-12, August 2021.</li> </ul>	2021
	<ul style="list-style-type: none"> <li>Soil degradation and its management in AgriGate e-magazine, Issue 06, Sep 20-21.</li> </ul>	2021
	<ul style="list-style-type: none"> <li>Biofortification: Enhancing Crop Nutritional Value through Soil Amendments in AgriTech Today, Special Issue (November, 2023).</li> </ul>	2023
	<ul style="list-style-type: none"> <li>The Impact of Climate Change on Soil Health in Vigyan Varta an International E-Magazine for Science Enthusiasts Vol. 4, Issue 12, Decemeber 2023.</li> </ul>	2023
	<ul style="list-style-type: none"> <li>The Role of Mycorrhizal Fungi in Sustainable Agriculture in The Agriculture Magazine Vol.-3, Issue-2, November, 2023</li> </ul>	2023
	<ul style="list-style-type: none"> <li>Soil Education and Awareness: Bridging the Gap between Science and Society in Vigyan Varta an International E-Magazine for Science Enthusiasts Vol. 4, Issue 12, December 2023.</li> </ul>	2023
	<ul style="list-style-type: none"> <li>Soil Health and Sustainable Agriculture: A Key to Nutrient-Rich Foods in Agri Articles, Volume: 03, Issue: 06 (NOV-DEC, 2023)</li> </ul>	2023
	<ul style="list-style-type: none"> <li>Soil Microbiome: Unveiling the Hidden World Beneath Our Feet in The Agriculture Magazine, Volume-3, Issue-2, November, 2023.</li> </ul>	2023
	<ul style="list-style-type: none"> <li>Vertical Farming: Growing Up for a Sustainable Future in Agri Articles, Volume: 03, Issue: 06 (NOV-DEC, 2023.)</li> </ul>	2023
<b>Book chapters</b>	<ul style="list-style-type: none"> <li>Nanofertilizers: A novel step towards agricultural sustainability in PLANTA – Research Book Series, Volume 1 October 2020.</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Acid Soils and Their Management in Research Trends in Agriculture Sciences (2020):65-83. (Book DOI: <a href="https://doi.org/10.22271/ed.book.834">https://doi.org/10.22271/ed.book.834</a>).</li> </ul>	2020
	<ul style="list-style-type: none"> <li>Dynamics of Potassium in Soils in latest trends in soil science (2021): 45-60. (Book DOI: <a href="https://doi.org/10.22271/int.book.33">https://doi.org/10.22271/int.book.33</a>).</li> </ul>	2021
	<ul style="list-style-type: none"> <li>Biofertilizers for sustainable soil health in Agro-technological options for resource conservation and management (2021): 1-12. (ISBN 978-81-7622-516-8).</li> </ul>	2021
	<ul style="list-style-type: none"> <li>Soil Biological Diversity: A vital and unparalleled component of soil health in Microbes: The destroyer and the Game Changer (2022): 140-154. (ISBN 978- 93-94457-81-2).</li> </ul>	2022
	<ul style="list-style-type: none"> <li>Agronomic Practices for Enhancing Millet Productivity in Millets: The Ancient Grain for the Future (2023):91-108.(ISBN: 978-81-19149-19-3).</li> </ul>	2023
	<ul style="list-style-type: none"> <li>Cover Crops And Green Manures: Cultivating Soil Fertility And Productivity in Advances in Agronomy: Unveiling the essence of Agronomy 2023: (ISBN: 978-81-969203-6-4):178-194.</li> </ul>	2023
	<ul style="list-style-type: none"> <li>Soil Health And Management In Modern Agronomy in Advances in Agronomy: Unveiling the essence of Agronomy 2023: (ISBN: 978-81- 969203-6-4):282-304.</li> </ul>	2023

<b>Book</b>	“Soil Physics Quick facts: MCQs and one-liners” published by Royal Book publishing in 2023 (ISBN): 9788119821532.	2023
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❖ **Membership in Professional Scientific Association**

- Annual member of Indian Society of Soil Science.
- Editorial board member of Just Agriculture magazine.
- Lifetime Membership of scientific society “Association of Plant Science Researchers”.
- Lifetime Membership of Agro Environmental Education & Farmers Welfare Society (AEEFWS)

<b>Referees</b>	
	<b>Dr. Ajaya Srivastava</b> , Professor, Department of Soil Science, GBPUAT Pantnagar (Ph.D. Advisor). Email: <a href="mailto:ajayasoliari@gmail.com">ajayasoliari@gmail.com</a>
	<b>Dr. Poonam Gautam</b> , Professor, Department of Soil Science, GBPUAT Pantnagar (M.Sc. Advisor). Email: <a href="mailto:drpgautam@gmail.com">drpgautam@gmail.com</a>

**Place: Gurugram, Haryana**  
**Date: 06-06-2024**

**(Varsha Pandey)**