
Dr. BHARTI



SUMMARY:

My name is **Dr. Bharti**, and I am a native of Mandi, Himachal Pradesh. I am currently serving as an **Assistant Professor**, School of Agriculture Sciences and Engineering, Maharaja Ranjit Singh Punjab Technical University, Bathinda, Punjab. I have qualified **ASRB-NET (Vegetable Science)** in the year of 2023. I have completed my **Ph.D.** in the discipline of **Vegetable Science** from Lovely Professional University, Phagwara, Punjab (144411), India. I hold **Bachelor's** and **Master's degrees** in **Horticulture** from H.N.B. Garhwal University (a Central University) in Srinagar (Garhwal), Uttarakhand (246174), India. My research interests include horticulture, vegetable production, and organic farming.

EXPERIENCE:

State Coordinator 03/2021 to 02/2022

Offered by NABARD Consultancy Services Pvt. Ltd, (NABCONS), New Delhi

Job role; I have conducted several market-level surveys related to the marketing and storage of horticultural crops in the different districts of Himachal Pradesh in the project “Post-Harvest Losses Study (P3226)”.

SKILLS:

- Active listening
- Compliance
- Team supervision
- Quick learner
- Professional manner
- Multitasking
- Computer knowledge (MS Office)
- Article writing

EDUCATIONAL DETAILS:

Qualified ASRB-NET in the discipline of Vegetable Science (2023)

Agricultural Scientists Recruitment Board (ASRB), New Delhi, India.

Ph.D. in Vegetable Science (CGPA: 7.49) (2020 to 2025)

From Lovely Professional University, Phagwara, Punjab-144411, India

CONTACT

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Master of Science in Horticulture (2020) (First division with 75%)

From HNB Garhwal University (A Central University) Srinagar (Garhwal), Uttarakhand, India.

Bachelor of Science in Horticulture (2018) (First division with 70.33%)

From HNB Garhwal University (A Central University) Srinagar (Garhwal), Uttarakhand, India.

PUBLICATIONS:

Published Research Papers:

- Bharti., Mal, D., Goutam, E., and Kumar, L. (2023). Performance of French bean (*Phaseolus vulgaris* L.) Genotypes under Trans-Gangetic Plains Region. *Indian Journal of Agricultural Research*, 58 (1): 101-105. <https://arccjournals.com/journal/indian-journal-of-agricultural-research/A-6148>.
- Kumar, L., Kumar, A., Devi, R. A., Goutam, E., Bharti, and Singh, K. K. (2022). Evaluation of Chemical Properties of Different Composts. *Dizhen Dizhi Journal* (ISSN: 0253-4967), 14(12), 01-10.
- Goutam, E., Tripathi, V., Kumar, A., Bharti., Mehandi, S., Kumar, L., & Akshay Kumar, A. (2025). Assessment of genetic variability in eggplant (*Solanum melongena* L.) genotypes for disease resistance and yield parameters. *Plant Science Today*. Vol 12(sp2): 01–07. <https://doi.org/10.14719/pst.4818>

Published Review Papers:

- Bharti., Mal, D., Goutam, E., Kumar, L., and Singh, K.K. (2022). A Review on Effect of Integrated Nutrient Management of French Bean (*Phaseolus vulgaris* L.). *Dizhen Dizhi* (ISSN: 0253-4967), 14(11): 25-32. [Q3; Scopus & UGC Care; H-Index = 36; SJR = 0.38; Scopus cite score = 1.4; SJIF = 7.9]
- Goutam, E., Kumar, A., Tripathi, V., Bharti, Kumar, L., and Raj, A. (2024). Unveiling mechanisms for induced systemic resistance, resistance breeding and molecular marker-assisted breeding against Phomopsis blight of *Solanum melongena*. *Plant Pathology*, 73(4), 777-790. <https://doi.org/10.1111/ppa.13860>
- Kumar, L., Bharti., Goutam, E., and Choudhary, D. (2023). Perspectives of Secondary Metabolites in Reference to Vegetable Crops: A review. *International Journal of Environment and Climate Change*, 13(9), 873-882. <http://dx.doi.org/10.9734/IJECC/2023/v13i92307>
- Lahari, P., Tripathi, V., Goutam, E., Arora, D., Ahlawat, V., Bharti, Kumar, L., & Singh, K. K., (2022). A review on integrated nutrient management in radish (*Raphanus sativus* L.). *Journal of Plant Development Sciences*, 14(11), 897-904.

Book Chapters:

- Bharti, Goutam, E., Mal, D., & Kumar, L. (2024). Recent Trends in Vegetable Production. Chapter-26: Recent Trends in Production of Cowpea. *Kalyani Publishers*, New Delhi, Pp- 26.1-26.8. ISBN: 978-93-6440-641-3
- Goutam, E., Bharti, Kumar, L. & Tripathi, V. (2024). Recent Trends in Vegetable Production. Chapter-13: Recent Trends in Production of Pumpkin. *Kalyani Publishers*, New Delhi, Pp- 13.1-13.16. ISBN: 978-93-6440-641-3

- Kumar, L., Goutam, E., Bharti, & Thakur, S. (2024). Recent Trends in Vegetable Production. Chapter-13: Recent Trends in Production of Spinach beet. *Kalyani Publishers*, New Delhi, Pp- 33.1-33.9. ISBN: 978-93-6440-641-3
- Gurjar, J., Goutam, E., Bharti & Prakash, K. (2024). Minor Fruit Crops *An inclusive study*. Chapter 47: Mulberry. *Published by Walnut Publication* Pp:303-310. ISBN: 978-93-5911-677-8
- Bharti, Goutam, E., Kumar, L., & Koul, B. (2023). Introducing Smart and Sustainable Agriculture. In: B. Koul, P. K. Prabhakar, & E. Goutam E. (eds) Smart and Sustainable Agricultural Technology. *Lovely Professional University, Phagwara, Punjab, India-144411*, Pp. 13-37. ISBN: 978-81-19334-75-9
- Goutam, E., Tripathi, V., and Bharti. 2022. Role of Plant Growth Regulators on Various Traits on Cucurbits. Chapter 1: In *Advances in Horticulture Crops and Their Challenges (Volume-2)*. SR edu publications, Telangana, India. Pp. 1-12. ISBN: 978-93-92941-19-1
- Bharti., Goutam E., Singh, K.K., Sran, A.S., and Bhad, R. 2023. Mulching, Irrigation System and Integrated Nutrient Management of Strawberry. Chapter 2: In *Handbook of Strawberry Farming and Production (First Edition)*. *Vital Biotech Publication, Kota, Rajasthan, India*. Pp. 11-20. ISBN: 978-93-92953-70-5
- Goutam E., Singh, K.K., Bharti., Sran, A.S., Singh, D., and Pooja. 2023. Post-Harvest Handling of Strawberry Fruit. Chapter 7: In *Handbook of Strawberry Farming and Production (First Edition)*. *Vital Biotech Publication, Kota, Rajasthan, India*. Pp. 79-90. ISBN: 978-93-92953-70-5
- Raj, A., Goutam, E., Bharti, Kumar, P. & Singh, J. (2024). Polyphenol Oxidase: An Enzyme of Plants. In: P. Verma, K. Agrawal & M. Shah (ed.), *Polyphenol Oxidases: Function, Wastewater Remediation, and Biosensors*. *De Gruyter, Berlin, Boston*. Pp. 105-128. eBook ISBN: 9783111033525, Hardcover ISBN: 9783111033457 <https://doi.org/10.1515/9783111033525-004>

Popular Hindi Articles:

- Bharti & Goutam, E. (20 July, 2020 to 26 July, 2020). Sabji He Nahi, Aushdhi Bhi Hai Pahad Ka Linguda. *Krishak Aradhna (Weekly Newspaper; 21/07/2020)*, Varsh-07, Ank-16, p:4, *R.N.I. Regd. No. MPHIN/2014/54645*
- Goutam, E., Bharti & Rana, D. K. (10 August 2020 to 16 August 2020). Dhaniya Ki Kheti. *Krishak Aradhna (Weekly Newspaper)*, Varsh-07, Ank-19, p:8, *R.N.I. Regd. No. MPHIN/2014/54645*
- Goutam, E., Bharti, Rana, D. K., Shah, K. N., Singh, K. K., Singh, V., & Vishwakarma, G. (10 August 2020 to 16 August 2020). Himalayan Mool Ka Sona – Morshella. *Krishak Aradhna (Weekly Newspaper)*, Varsh-07, Ank-19, p:19, *R.N.I. Regd. No. MPHIN/2014/54645*
- Bharti, & Goutam, E. (24 August, 2020 to 30 August, 2020). Lauki Par 3-G Cutting Ke Fayde. *Krishak Aradhna (Weekly Newspaper; 24/08/2020)*, Varsh-07, Ank-21, p:8, *R.N.I. Regd. No. MPHIN/2014/54645*

- Goutam, E., Bharti, Rana, D. K., Singh, K. K., & Vishwakarma, G. (August, 2020). Broccoli Ki Munafe Wali Krishi Padhyati. *Madhya Bharat Krishak Bharti (Monthly Magazine)*, Varsh-15, Ank-5, pp: 74-75, ISSN-2582-5976, R.N.I. Regd. No. MPHIN/2006/16946
- Goutam, E., Bharti, Singh, V., & Vishwakarma, G. (07 September, 2020 to 13 September, 2020). Padap Vridhi Niyamako (Padap Hormones) Dwara Sabjiyo Ke Utpadan Mei Vridhi. *Krishak Aradhna (Weekly Newspaper; 09/06/2020)*, Varsh-07, Ank-23, p:5, R.N.I. Regd. No. MPHIN/2014/54645
- Bharti, Goutam, E., & Rana, D. K. (14 September 2020 to 20 September 2020). Kai Prakar Ki Bimariyo Ko Jad Se Khatam Karne Wali Gunkari Oushadi Hai Pattharchatta. *Krishak Aradhna (Weekly Newspaper)*, Varsh-07, Ank-24, p:7, R.N.I. Regd. No. MPHIN/2014/54645
- Bharti, Goutam, E., & Singh, V. (21 September, 2020 to 27 September, 2020). Grafting Taknik Se Sabjiyo Ka Utpadan. *Krishak Aradhna (Weekly Newspaper; 20/09/2020)*, Varsh-07, Ank-25, p:6, R.N.I. Regd. No. MPHIN/2014/54645
- Bharti, Goutam, E., & Singh, K. K. (September, 2020). Arbi Ki Unnat Krishi. *Madhya Bharat Krishak Bharti (Monthly Magazine)*, Varsh-15, Ank-6, p: 73, ISSN-2582-5976, R.N.I. Regd. No. MPHIN/2006/16946
- Goutam, E., Bharti & Rana, D. K. (October, 2020). Jeevanu Khaad Ka Jaivik Krishi Mei Yogdaan. *Madhya Bharat Krishak Bharti (Monthly Magazine)*, Varsh-15, Ank-7, p: 82, ISSN-2582-5976, R.N.I. Regd. No. MPHIN/2006/16946

Popular English Article:

- Goutam, E., Bharti, Singh, K. K., & Vishwakarma, G. (2020). Scientific Cultivation of Muskmelon (*Cucumis melo* L.). *Biotica Research Today*, Article: RT0219, 2(7), 580-583.

Published Abstracts (at International/National Conference):

- Goutam, E., & Bharti. (16-20 June, 2020). Sustainable Organic Module for Income Generation After COVID-19. National Webinar on Organic Farming-2020. *Published by Dr. G.K. Koutu Dean College of Agriculture, Balaghat (M.P.) Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur (M.P.), Publication number: JNKVV/OF/2020/Ab/18*, p:67
- Bharti, & Goutam, E. (16-20 June, 2020). Use of ITKs and Innovations in Organic Farming. National Webinar on Organic Farming-2020. *Published by Dr. G.K. Koutu Dean College of Agriculture, Balaghat (M.P.) Jawaharlal Nehru Krishi Vishwa Vidyalaya, Jabalpur (M.P.), Publication number: JNKVV/OF/2020/Ab/18*, p:139
- Goutam, E., Bharti, Rana, D. K., & Singh, V. (27-28 August, 2020). Role of Underutilized Vegetables in Enhancing Nutritional and Livelihood Status. International Web Conference on Biodiversity in Vegetable Crops for Healthier Life and Livelihood (27-28 August, 2020), *Published by Bihar Agricultural University, Sabour, Bhagalpur – 813210 (Bihar). ISBN: 978- 81-937815-0-0 p: 273*

- Bharti, Mal, D., & Goutam, E. (04-06 March, 2022). Effect of Integrated Nutrient Management (Organic, Inorganic & Bio-Fertilizers) on Growth, Yield and Quality of French Bean (*Phaseolus Vulgaris* L.). 5th International Conference on Advances in Smart Agriculture and Biodiversity Conservation for Sustainable Development (SABCD-2022) JNU, Jaipur. *Learning Media Publication A-16, Aman Vihar, Mawana Road, Opp. J.P. Academy, Meerut-250001*, p: 37
- Goutam, E., & Bharti. (04-06 March, 2022). Heterosis and Combining Ability Studies in Phomopsis Blight Resistant Genotypes of Brinjal (*Solanum Melongena* L.). 5th International Conference on Advances in Smart Agriculture and Biodiversity Conservation for Sustainable Development (SABCD-2022) JNU, Jaipur. *Learning Media Publication A-16, Aman Vihar, Mawana Road, Opp. J.P. Academy, Meerut-250001* p: 61.
- Goutam, E., Verma, A., Koul, B., and Bharti. (20-21 April, 2023). Insights into the Artificial Seed Technology with Special Reference to Agricultural Crops. (2nd International Conference on Plant Physiology and Biotechnology (ICPPB-2023). *LPU Publication House, Lovely Professional University, Phagwara Punjab, India*. p. 14. ISBN: 978-605-83279-0-0 p: 273
- Bharti, Mal, D., Goutam, E., and Kumar, L. (28-30 April, 2023). Evaluation of French bean (*Phaseolus vulgaris* L.) Germplasms for Yield and Quality Traits. 6th International on Strategies and Challenges in Agricultural and Life Science for Food Security and Sustainable Environment. Himachal Pradesh University, Summer Hill, Shimla, H.P. India. *Learning Media Publication, A-16, Aman Vihar, Mawana Road, Opp. J.P. Academy, Meerut-250001*. p: 467. ISBN: 978-93-91872-31-1
- Goutam, E., Tripathi, V., Kumar, A., Bharti., and Kumar, L. (28-30 April, 2023). Biochemical Characterization of Brinjal Genotypes in Doaba Region of Punjab. 6th International on Strategies and Challenges in Agricultural and Life Science for Food Security and Sustainable Environment. Himachal Pradesh University, Summer Hill, Shimla, H.P. India. *Learning Media Publication, A-16, Aman Vihar, Mawana Road, Opp. J.P. Academy, Meerut-250001*, p: 467. ISBN: 978-93-91872-31-1
- Kumar, L., Devi, R.A., Bharti., and Goutam, E. (28-30 April, 2023). Rock Phosphate in Organic Farming: A Sustainable Approach to Nutrient Management. 6th International on Strategies and Challenges in Agricultural and Life Science for Food Security and Sustainable Environment. Himachal Pradesh University, Summer Hill, Shimla, H.P. India. *Learning Media Publication, A-16, Aman Vihar, Mawana Road, Opp. J.P. Academy, Meerut-250001*, p: 467. ISBN: 978-93-91872-31-1

Copyright:

- Granted copyright on the title “Pathogenesis, prevalence and overcoming measure of Phomopsis blight in brinjal” for Literary/ Dramatic work with having diary number 26933/2022-CO/L & Registration number L-124991/2023 on the date 12th June, 2023.

Career Achievement:

- **Best Master's Thesis Award 2022** on the title "Effect of Integrated Nutrient Management on Growth , Yield and Quality of French Bean CV. Contender Under Subtropical Condition of Garhwal Hills" by the Society of Agriculture Research and Social Development (SARSD), New Delhi on the occasion of 5th International Conference on Advances in Agriculture Technology and Allied Sciences (ICAATAS 2022) at MS Swaminathan School of Agriculture, Centurion University of Technology and Management June- 4-5, 2022.

DECLARATION:

The details provided me are true to the best of my knowledge.

Date: 20/04/2025