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Specialization: Seed Science and Technology
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Important Publications

Research papers

- **Thakur**, N., Kanwar H. S., and Mehta D. K., 2018, Studies on influence of stage of harvest and post harvest ripening of fruits on seed yield and quality in cucumber (*Cucumis sativus* L). *Inter.J.Farm Sci*, 8(2): 28-32 NAAS: 4.01
- **Thakur**, N., Vasudevan, S.N., Tembhrune, B.V., Doddagoudar, S.R. Macha, S.I. and Patil, M.G. 2019. Standardization of screen aperture size for processing of seeds of chilli (*Capsicum annuum* L.) Hybrid UARChH42 (JCH42). *Int. J. Curr. Microbiol. App. Sci.* 8(3): 2362-2367. NAAS: 5.38
- **Thakur**, N., Vasudevan, S. N., Doddagoudar, S. R., Tembhrune, B. V., Macha, S. I., & Patil, M. G. 2020. Optimum time of pollination and number of fruit pickings and its effect on seed yield in cgms based chilli (*Capsicum annuum* L.) Hybrid. *Current Journal of Applied Science and Technology*, 39(24),40-44. NAAS: 5.32
- **Thakur**, N., Vasudevan, S.N., Tembhrune, B.V., Doddagoudar, S.R. and Patil, M.G., 2020. Effect of planting ratio (Female: Male) and foliar spray of plant growth regulators on seed yield in CMS based chilli hybrid UARChH42 (JCH42). *Indian Journal of Horticulture*, 77(1), pp.215-217. NAAS: 6.11
- **Thakur**, N., Vasudevan, S. N., Doddagoudar, S.R., Tembhrune, B.V, 2021. Seed quality of CGMS based chilli (*Capsicum annuum* L.) hybrid induced by time of pollination and number of fruit pickings. *Indian Journal of Ecology* 48(5): 1529-1532.
- **Thakur**, N., Vasudevan, S.N., Doddagoudar, S.R, Tembhrune, B.V., Macha, S.I. and Patil, M.G. 2022. Planting ratio and plant growth regulators affecting seed quality in CGMS based chilli (*Capsicum annuum* L.) hybrid. *Indian Journal of Agricultural Sciences* 92(8):982-985 NAAS- 6.37
- **Thakur**, N., Vasudevan, S.N., Tembhrune, B.V., Doddagoudar, S.R. 2022. Identification of Parental Lines and Hybrid using Molecular Techniques in CGMS based Chilli (*Capsicum annuum* L.) Hybrid UARChH42 (JCH42). *Indian Journal of Agricultural Research*. 56 (4): 375-380.
- Kumar, R., Chauhan, A., Kumari, R., Shiwani, K., Thakur, P. and **Thakur, N.**, 2023. Effect of Different Locations and Transplanting Dates on the Performance of Lettuce var. Great Lakes under Wet Temperate Region of Himachal Pradesh-India. *International Journal of Plant & Soil Science*, 35(9), pp.38-44. NAAS: 5.07
- Kumar, R., Chauhan, A., Kumari, R., Shiwani, K., Thakur, P. and **Thakur, N.** 2023. Effect of Transplanting Dates and Locations on the Performance of Broccoli under wet temperate Himalayas. *J Krishi Vigyan* 2023, 11 (2) : 89-92. NAAS- 4.95. DOI : 10.5958/2349-4433.2023.00015.6
- **Thakur**, N., Thakur, P, Kumar, R and Devi, S. 2024. Natural formulation and chemical as pre-sowing seed treatment affecting seed quality of finger millet (*Eleusine coracana* L. Gaertn). *Plant Archives*. 24(1): 1151-1157. NAAS: 5.59

- Kumar, R., Chauhan, A., Kumari, R., Thakur, P., & **Thakur, N.** 2026. Assessment of farmers' knowledge and adoption of pea cultivation aspects in ten panchayats, Seraj Valley, Mandi district, Himachal Pradesh, India. *International Journal of Plant & Soil Science*, 38(4), 194–209. NAAS- 5.07

Review paper

- **Thakur, N.** 2020, Role of heat shock protein in seed science and technology: a review. *Plant Archives*, 20(Supplement) 1938-1940 NAAS: removed
- **Thakur N** and Vasudevan, S. N., 2021. Plasma treatment and seed quality advancement: a review. *Agricultural Review*, 42 (2): 197-202 Online Print 10.18805/ag.R-2024. NAAS: 4.84
- **Thakur N** and Vasudevan SN, 2019, Role of enzymatic antioxidants in seed science and technology: a review. *J. Pharmacognosy and Phytochemistry*. 8(4): 3503-3507. NAAS: 5.21
- Thakur , P and **Thakur, N.** (2023). Role and Importance of Plant Growth Promoting Rhizobacteria (PGPR) in Modern Day Agriculture by Improving Soil Rizoosphere: Review. *International Journal of Plant & Soil Science*, 35(19), 250–261. <https://doi.org/10.9734/ijpss/2023/v35i193550>. NAAS : 5.07
- **Thakur N**, Joshi AK, Thakur P, Kumar R and Shiwani K. 2025. Vegetable seed production techniques in varieties: A review. *Plant Archives*, 25(1): 1456-1476.
- Kumar R, Chauhan A, Kumari R, Thakur P and **Thakur N.** 2025. Vegetables as a source of nutrition and pharmacy: a review”. *Plant Archives*, 25 Supplement- 2, 2374-2380.

Popular Articles

- **Thakur N.**, 2022. Kaathu: A summer delicacy in Seraj valley. In: *Janjheli Tourism Festival 2022 Samarika*. 17 p.
- Kumari, R. Devi, M. Thakur, P and **Thakur , N.** 2023. पॉलीहाउस में पौध संरक्षण व कीट नियंत्रण. *Krishan Nidaan*. pp 33-34
- **Thakur, N.** 2023. Significance of Effective Communication vis-à-vis Soft Skills in Agri Graduate's Career. *Vigyan Varta*; Vol-4, Issue-2, pp 68-70
- **Thakur, N.** 2023, Artificial Intelligence for scientific intervention in plant and seed science. *Reader's Shelf*. 19 (6): 7-9 pp
- **Thakur N and Thakur P.** 2023. Pahari beej aalu: ek paridrishyay. *Giriraj Saaptaahik*. 10-16 May. P. 5
- Thakur P, **Thakur N** and Verma R. 2023. Flower Seed Packaging and Storage: Emerging Trends- A Review. *Seed Times*: 15(3) 35-42
- Thakur P and **Thakur N.** 2024. Shri anna ya millets: Chamatkari anaaj. *Krishi jagran*. 2. p.40-45
- **Thakur N** and Thakur P. 2024. Himachal Pradesh ke Pahari kshetron mein varsha jal sanchayan ki sambhavnaayein. *Him Paryavan* 31(2):37(2) pp 127-128
- Shiwani K, Kumari R, Thakur P, Verma S, **Thakur N.** 2024. Hidden harvest of rural areas: some important wild edible food plants of Seraj valley in the wet temperate region of Himachal Pradesh. *Him Paryavan* 31(2):37(2) pp 90-95
- **Thakur Neha** and Thakur N. 2024. Himalayan balsam mein ballistic beej phailav tantra. *Giriraj Newsletter.*, 22-28 May 2024, p.5.
- Thakur N, **Thakur Neha** and Mehta A. 2024. Himalayan Iris: Thriving in Temperate Forest to a Modern Cut Flower. *Agri Articles*. 4(3): 704-706. ISSN: 2582-9882

- Mehta A., Kumari N., Thakur Neelam. and **Thakur Neha**. 2024. Safed Musli ki kheti. *Krishak Jagat*. Page 5.
- Neelam Thakur and **Neha Thakur**. August 2024. Chikistsiya guno se bharpoor Himalayan iris pushp. Giriraj. Saptahik 07-13 August Page 5.
- Mehta A, Kumari B, Kumari Y and **Thakur N**. 2024. *Asparagus racemosus*: A medicinal plant of immense potential. *Pahadi Magazine* **8(2)**: 26 p

Booklets

- कुमार आर, कुमारी आर, चौहान ए, शिवानी के, ठाकुर पी और **ठाकुर एन**. 2021. सेराज घाटी में पॉलीहाउस में सब्जी उत्पादन | नाबार्ड | 18 पृष्ठ
- कुमार आर, चौहान ए, कुमारी आर, शिवानी के, ठाकुर पी और **ठाकुर एन**. 2021. सेराज घाटी में विदेशी सब्जियों की खेती | नाबार्ड | 12 पृष्ठ

Book chapters

- **Thakur N**, Uppuluri T, Malik A, and Singh N. 2021. Seed Production Technology of Wheat and Barley. In Seed Production Technology Edt. Nirmal Singh Anurag Malik Himani Punia. pp 1-28.
- **Thakur N**, Uppuluri T, Himangini and Malik A, Seed Production Technology of Peas and Beans: French Bean, Pea and Cluster Bean. In Seed Production Technology Edt. Nirmal Singh Anurag Malik Himani Punia. pp 128-155.
- Himangini, **Thakur N**, Malik A, and Singh N. 2021. Varietal and Hybrid Seed Production in Solanaceous Vegetables. In Seed Production Technology Edt. Nirmal Singh Anurag Malik Himani Punia. pp 199-226
- **Thakur**, N, Thakur P and Vasudevan S. N. 2022. Organic seed production, certification, marketing, and regulation. In: Kumar N, Edt. Organic Farming. Shriyanshi Prakashan Agra. pp. 211-238.
- **Thakur N**, Mehta A, Thakur K and Thakur Neelam. 2025. Lavender (*Lavandula angustifolia*). In: Mehta A, Kumari N, Thakur U, Kumari Y, Garima and Bhatt S (Eds). 2025. Scientific cultivation of medicinal and aromatic plants. First Edition. 217p. Narendra Publishing House, Delhi (India) pp 92-106. (ISBN: 978-93-56513-50-1).
- **नेहा ठाकुर**, अरुणा मेहता, प्रियंका ठाकुर, और किरण ठाकुर | 2024 . जलवायु परिवर्तन और गुणवत्तापूर्ण बीज उत्पादन: प्रभाव और शमन रणनीतियाँ. संपादक सिंह आर के, शाशनी एस , कुमार किशोर, त्रिपाठी एम, अग्निहोत्री वी, चंद केसर और लता रेनू | भारतीय हिमालयी क्षेत्र में पर्यावरणीय मुद्दे चुनौतियाँ और समाधान | जी बी पंत राष्ट्रीय हिमालयी पर्यावरण संस्थान. पृष्ठ 81 -84.
- Neelam Thakur, Kumari P, Mehta A, **Thakur N** and Thakur K. 2025. Safed Musli (*Chlorophytum borivilianum*). In: Mehta A, Kumari N, Thakur U, Kumari Y, Garima and Bhatt S (Eds). 2025. Scientific cultivation of medicinal and aromatic plants. First Edition. 217p. Narendra Publishing House, Delhi (India) pp 165-177. (ISBN: 978-93-56513-50-1)
- Thakur K, Sharma H, Thakur D, Mehta A and **Thakur N**. Aonla (*Phyllanthus emblica*). 2025. In: Mehta A, Kumari N, Thakur U, Kumari Y, Garima and Bhatt S (Eds). 2025. Scientific cultivation of medicinal and aromatic plants. First Edition. 217p. Narendra Publishing House, Delhi (India) pp 1-13. (ISBN: 978-93-56513-50-1)
- Mehta A, Kumari B, Sharma H, **Thakur N**, Kumari Y and Thakur K. 2025. Isabgol (*Plantago ovata*). 2025. In: Mehta A, Kumari N, Thakur U, Kumari Y, Garima and Bhatt S (Eds). 2025. Scientific cultivation of medicinal and aromatic plants. First

Edition. 217p. Narendra Publishing House, Delhi (India) pp 69-82. (ISBN: 978-93-56513-50-1)

Awards and Recognitions:

- Best Oral Presentation Award on the paper ‘Natural formulation and chemicals as pre-sowing seed treatment affecting seed quality in winter vegetables for sustainable crop production’ presented at National Conference on Sustainable on Indigenous Knowledge System for Sustainable Future: A Roadmap to Viksit Bharat-2047 Organized by College of Horticulture and Forestry Thunag w.e.f February 13-14, 2025)
- Best Poster Presentation Award in a Poster Presentation entitled ‘Pre-sowing seed treatment with chemical and natural formulation affecting seedling characters of Kodra (*Eleusine coracana* L. Gaertn)’ at 12th National Seed Congress, 2023 held on December 11-13, 2023 at Aurangabad, Maharashtra
- Best Oral presentation award in ‘National Conference on “India’s Challenge-Contemporary Farming to Smart Farming” www.cuchd.in/iccfsf/ conducted at Chandigarh University from 8-04-2021 to 9-04-21, Mode of Conference: online’.
- Awarded with best oral presentation in the 2nd national conference on recent advances in multidisciplinary research at RIMT, University, Punjab held on 2nd November 2018.
- Awarded with “Best Poster Award” for presenting poster entitled, ‘Studies on influence of stage of harvest and post harvest ripening of fruits on seed yield and quality in cucumber’ at 8th National Seed congress held from 27th – 29th October, 2015 in HICC, Hyderabad, Telangana
- Awarded UAS, Raichur Gold Medal for securing first rank in Ph.D. (Seed Science and Technology) Degree Programme
- Qualified JRF (Junior Research Fellowship) exam- 2013 and secured 23rd All India Rank in SRF (Senior Research Fellowship) exam -2015 conducted by ICAR
- Received Honors in B.Sc. (Hons.) Horticulture