

Bio-Data

Name	:	Dr. Shilpa
Designation	:	Assistant Professor (Department of Fruit Science)
Contact Number	:	9816884002
E-mail	:	shilpananglia1990@uhf.ac.in
Specialization	:	Fruit Science (Breeding of fruit crops, Production Technology and Orchard Management)
Education	:	Ph. D (NET Qualified)



Publications:

Research Publications:

1. **Shilpa**, K Meena, Thakur P, Rimpika and Kashyap S. 2026. Performance evaluation of strawberry (*Fragaria* × *ananassa* Duch.) cultivars for growth, yield and fruit quality under sub-tropical, Sub- montane regions of Himachal Pradesh. *International Journal of Research in Agronomy*. 9(3): 48-52. <https://www.doi.org/10.33545/2618060X.2026.v9.i3a.4980> **NAAS rating- 5.20.**
2. Sriteja S, Baswal A K, Singh Gagandeep, Gupta A, **Shilpa**, Gill K S, Mahajan B V C and Oztruk B. 2025. Carboxymethyl cellulose and chitosan coatings maintain phytochemicals in ambiently stored ‘Kinnow’ Mandarin (*Citrus Nobilis* Lour × *C. Deliciosa* Tenora) fruit. *Applied Fruit Science* (Erwerbs-Obstbau).67:117. DOI:[10.1007/s10341-025-01367-x](https://doi.org/10.1007/s10341-025-01367-x). **NAAS Rating 7.20**
3. **Nanglia S**, Mahajan BVC, Singh N P, Kapoor S, Bhullar K S, Kaur S and Kumar V (2022) Combined Effect of acids and shellac coating on pericarp browning, enzymatic activities and biochemical attributes of litchi fruit during storage. *Journal of Food processing and Preservation*: e16535. DOI: 10.1111/jfpp.16535. **NAAS rating: 8.51**
4. **Nanglia S**, Mahajan BVC, Singh N P, Bhullar K S and Kaur S (2022) Forced air cooling delays pericarp browning and maintains post-harvest quality of litchi during cold storage. *Acta Physiologiae Plantarum*. 44-66. **NAAS rating 8.20**

5. Shilpa, Mahajan BVC, Singh N P, Sharma S and Kaur S (2019) Hydrocooling delays pericarp browning, enzymatic activities and maintenance quality of litchi fruits under cold chain condition. *Indian Journal of Horticulture* 76 (1): 162-167. DOI : 10.5958/0974-0112.2019.00023.9 **NAAS rating: 5.58.**
6. **Shilpa**, Mahajan B V C, Singh NavPrem, Sharma Sucheta, Kaur S (2020) Alleviation of enzymatic browning and maintenance of postharvest quality of litchi fruit with packaging films under cold storage conditions. *Indian Journal of Agricultural Sciences*. 90 (1): 142–5. <https://doi.org/10.56093/ijas.v90i1.98595> **NAAS rating: 6.70.**
7. **Shilpa**, B V C Mahajan, Navprem Singh, K S Bhullar and Sumanjit Kaur (2021) Effect of evaporative cooling on peel browning and quality of litchi (*Litchi chinensis*). *Indian journal of Agricultural Sciences*. 91 (3): 445–9. <https://doi.org/10.56093/ijas.v91i3.112531>. **NAAS rating 6.70.**
8. Sharma G, **Shilpa**, Deepika and Thakur K (2016) Studies on evaluation and characterization of walnut germplasm. *The Bioscan*.11 (3): 1659-1662. **NAAS rating: 4.06**

Review articles:

- Rimpika, Rana K, Shandil K, **Shilpa**, Sood A, Sultanpuri A and Shabnam. 2024. Replant Problem in Fruit Crops: Issues and Possibilities of its Control in Pome and Stone Fruits. *Agriculture Association of Textile Chemical and Critical Reviews Journal*.4(12): 558-567.
- Rimpika, Jain S, Rathore M, Banjare R, Nidhi N, Sood A, **Shilpa** and Sharma R. 2023. Physiological aspects of flowering, fruit setting, fruit development and fruit drop, regulation and their manipulation: A Review. *International Journal of Environment and Climate Change*.13(12): 205-224.
- Krishnamoorthi K, Anushi, Gouthami Y, Minz V, Behera S D, Sharma S K, **Shilpa** and Prasad L. 2023. Biotic Compounds from horticulture crops and utilization: A comparative review. *International Journal of Plant and Soil Science*. 35(23): 268-277.
- Rimpika, Anushi, Manasa S, Anusha K N, Sharma S, Thakur A, **Shilpa** and Sood A. 2023. An overview of precision farming. *International Journal of Environment and Climate Change* **13**(12):441-56.

Book Chapter:

- **Shilpa**, Rimpika and Sood A. 2025. Gene Action: Additive, Dominance, Epistasis and linkage influence. *Fundamentals of quantitative genetics*. Textify Publisher. Pp 67-86. ISBN No. 978-93-48217-28-8
- Sood A, **Shilpa** and Rimpika. 2025. Distinction between qualitative and quantitative traits. *Fundamentals of quantitative genetics*. Textify Publisher. Pp 55-66. ISBN No. 978-93-48217-28-8.
- Rimpika, Sood A and **Shilpa**. 2025. Experimental design for plant breeding: Theory and practices. *Fundamentals of quantitative genetics*. Textify Publisher. Pp 87-111. ISBN No. 978-93-48217-28-8.
- **Shilpa**, Sood A and Rimpika. 2024. Climate change effects on fruit crops. (Eds): Tripathi A, Singh S, Sharma M, Kumar G and Rao S. *Recent Trends in Horticulture*. P K Publisher and Distributors. 1-16. ISBN: 978-81-976276-4-4
- Rimpika, **Shilpa** and Sood A. 2024. Plant Growth Regulators used in canopy management. (Eds): Tripathi A, Singh S, Sharma M, Kumar G and Rao S. *Recent Trends in Horticulture*. Recent trends in horticulture. P K Publisher and Distributors. 101-114. ISBN: 978-81-976276-4-4
- Sood A, Rimpika and **Shilpa**. 2024. Whole genomic selection in plant selection. *Emerging trends in agriculture sciences*. ISBN: 978-81-952109-4-7.
- Rimpika, Shivendu S K, **Shilpa**, Shandil D, Kanwar R, Thakur A, Choudhary J, Thakur K and Sood A. 2023. An overview of intellectual property right for fruit crops in India. *Modern Trends in Horticulture*. ISBN:978-81-19674-64-0: 42-49.
- Rimpika, Chaudhary J, Thakur K, **Shilpa** and Shabnam. 2023. Doubling Framers income: Ways and Strategies. *Modern trend in Horticulture*. Pp 30-44. ISBN: 978-81-19674-64-0
- Sood A and **Shilpa**. 2024. Incompatibility and Sterility Systems. *Fruit Breeding Encyclopedia*. Jain S, Bhujel S, Chaurasia J, Baidya B K (eds). Siddhanta's International Publication, New Delhi, India. pp 27-33.
- Rimpika, Sood A, Thakur K, **Shilpa** and Singh R. 2023. Molecular approaches in crop growth regulation. In: S Jujhar (ed) *Current Development in Biosciences and Agriculture*. National Press Association, New Delhi. Pp 91:98.

Popular Articles: 39

Awards:

- i. Received certificate of award for third best oral presentation on title “Postharvest approaches for extending quality shelf life of litchi (*Litchi Chinensis* Sonn.) in two days National Conference on “National Conference on Indigenous Knowledge for Sustainable Future: A Roadmap to Viksit Bharat-2047 which was held at Dr YSP University of Horticulture and Forestry, College of Horticulture and Forestry, Thunag, Mandi w.e.f 13th and 14th February, 2025.
- ii. Received certificate of award for 2nd best online oral presentation on title “Chemical fruit thinning influence on thinning level, fruit yield and quality in Nectarine cv. May fire at two different locations” in two days National Conference on “National Conference on Indigenous Knowledge for Sustainable Future: A Roadmap to Viksit Bharat-2047 which was held at Dr YSP University of Horticulture and Forestry, College of Horticulture and Forestry, Thunag, Mandi w.e.f 13th and 14th February, 2025.

Membership or professional societies/offices held:

- a. Lifetime Membership in Society for the Advancement of Human and Nature (SADHNA).
- b. Annual membership of Indian Farming (No. RI19520) an ICAR magazine.