

Dr. Neena Kumari
Assistant Professor

Specialization: Forest Products, Medicinal and Aromatic plants
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Ongoing Research Projects: None

Important Research Publications

1. **Kumari Neena**, Raina R and Sharma YP. 2018. Interpopulation variations in morpho-chemical characteristics of *Stevia rebaudiana* Bertoni. *Turkish Journal of Botany* 42:491-501. (IF-1.05)
2. **Kumari Neena**, Sharma YP and Kumar S. 2017. Extraction, purification and analysis of sweet compounds in *Stevia rebaudiana* Bertoni using chromatographic techniques. *Indian Journal of Pharmaceutical Sciences* 79(4): 617-624. (IF-0.66)
3. **Kumari Neena**, Rana RC, Sharma YP and Kumar S. 2016. Variations in stevioside and rebaudioside-A content in *Stevia rebaudiana* under different growing conditions. *International Journal of Agriculture Sciences* 8(18): 1329-1331
4. **Kumari Neena**, Rana RC, Sharma YP and Kumar S. 2016. Dynamics of steviol glycosides (stevioside and rebaudioside-A) with growth and development of *Stevia rebaudiana* Bertoni. *Journal of Applied and Natural Science* 8(4):1953-1958.
5. **Kumari Neena** and Kumar S. 2017. Chemistry and analytical techniques for entkaurene-glycosides of *Stevia rebaudiana* Bertoni-a review. *Journal of Applied and Natural Science* 9(4): 2114-2126.
6. **Kumari Neena**. 2017. Do the different drying conditions affect the major sweet compounds in *Stevia rebaudiana*. *International Journal of Chemical Studies* 5(5): 168-172.
7. Kumar S, Shamet GS, Kumar D, **Kumari N** and Kumar R. 2017. Effect of stratification and gibberellic acid on germination and seedling growth of *Acer acuminatum* in North Western Himalayas. *The Indian Forester* 143(11): 1105-1111.
8. Kumar S, Shamet GS, Kumar D, **Kumari N** and Hegde N. 2017. Rooting response of *Acer acuminatum* cuttings to IBA, girdling and season. *Indian Journal of Ecology* 45(4):806-809.

9. Kumar S, Sharma SB, Nongrum MM, Singh TP, **Kumari N** and Rozar KP. 2020. Effect of pre-sowing treatments on the germination of five legume species and their tolerance to desiccation. *Indian Journal of Ecology* 47(1): 102-108.
10. Sharma S, Roy R, Prasad H, Kumar B, Kumar A, **Kumari N**, Dobhal S and Kumar R. 2024. Phytochemical analysis and antifungal activity of *Mentha* against *Phytophthora infestans*. *South American Journal of Botany* 172: 501-514.
11. Rozar KP, Kumar S, Sharma R, Hegde N, Kumar KS, Sahoo UK, **Kumari N**, Devi S. 2025. Influence of seed source on fruit morphometric characters and nutritional content of *Phyllanthus emblica* L. in the Indo-Burma biodiversity hotspot. *Ecological Frontiers* 45: 307-315.

Edited book:

Aruna Mehta, Neena Kumari, Usha Thakur, Yourmila Kumari, Garima and Seema Bhatt. 2025. Scientific Cultivation of Medicinal and Aromatic Plants. Narendra Publishing House. ISBN: 9789356513501.

Awards & Recognitions

- Awarded with Professor M.L. Khurana memorial award for best paper entitled “Extraction, purification and analysis of sweet compounds in *Stevia rebaudiana* Bertoni using chromatographic techniques” by the Indian Pharmaceutical Association.
- Awarded with Brandis award for research paper entitled “Effect of stratification and gibberellic acid on germination and seedling growth of *Acer acuminatum* in North Western Himalayas” by the Indian Forester Journal.
- Best poster in the National Seminar on “Conservation and sustainable use of Medicinal and Aromatic Plants” held on 13th and 14th September, 2018 in the Department of Forestry, Mizoram University, Aizawl, Mizoram.
- Awarded with 2nd best poster presentation award in National Conference on “Indigenous Knowledge System for Sustainable Future: A Roadmap to Viksit Bharat 2047!” held on 13-14th February, 2025, at College of Horticulture and Forestry, Thunag, Mandi, HP.
- Awarded with Young Researcher award in the "13th International Conference ICAHFAS-2026 Agriculture, Horticulture, Forestry & allied Sciences for Sustainable Himalayan Ecosystem " held at HFRI Shimla on 18-20th March, 2026.

