

Dr Aruna Mehta
Scientist

Specialization: Reproductive biology, plant breeding, chemical analysis, domestication, biodiversity conservation and germplasm evaluation of medicinal and aromatic plants.

Contact : Mobile: 8894935926, 7018916840

E.mail: arunauh2521@gmail.com

Ongoing Research project:

- ICAR - All India Coordinated Research Project on Medicinal, Aromatic Plants & Betelvine. (Co- Principal Investigator)

Important Research Publications

- Mehta A and Raina R. 2018. Breeding system studies in *Withania somnifera*: an important commercial medicinal plant. *Medicinal Plants: International journal of Phytomedicines and Related Industries*, 10(3):159-65.
- Mehta A and Raina R. 2016. Effect of hydropriming on seed germination parameters in different accessions of *Withania somnifera*. *Medicinal Plants: International Journal of Phytomedicines and Related Industries*, 8(1):1-6.
- Mehta A, Rana RC, Sharma YP and Kumar V. 2015. Degradation Status of Amarogentin on storage in different solvents. *Indian Journal of Ecology*, 43(1):257-26.
- Mehta A, Marpa S, Bandana, Kumari Y, Garima and Walia K. 2025. *Histological differentiation of species: An implication of Swertia spp for raw material authentication to avert adulteration*. *Indian Journal of Ecology*, 52(SI): 380-1385.
- Dutt B, Kumar R, Garima, Kumari Y and Mehta A. 2026. Impact of Pre-Sowing Seed Treatments on Germination and Conservation of *Saussurea costus* (Falc.) Lipsch., a Critically Endangered Medicinal Plant of the Northwestern Himalaya. *Ecology, Environment and Conservation*, 32: S7-S11.
- Sharma YP, Jadhav MR, Thakur P and Mehta A. 2019. Solan Selection (IC626004); INgR18043), a Malaxis (*Malaxis acuminata*) germplasm with yellow coloured flowers. without any purple tinge. Yellowish green floral buds. Greenish basal sheath at the base of Shoot. *Indian Journal of Plant Genetic Resources*, 32(3): 52-53.
- Sharma S, Thakur CL and Mehta A. 2021. Bioeconomic Appraisal of Wheat and Black Gram under Peach, Apricot and Pear based Agroforestry System. *Indian Journal of Ecology*, 48(4): 1237-39.
- Thakur P, Sharma YP, Mehta A and Bhardwaj C. 2018. Effect of decapitation and spacing on growth and yield of *Swertia chirayita*: A critically endangered medicinal plant. *Medicinal Plants: International journal of Phytomedicines and Related Industries*, 10(1):10-16.
- Panwar M, Mehta A, Kumar V, Sood M and Raina R. 2016. Effect of various growing media on seed germination and growth performance of *Andrographis paniculata* under mid hill regions. *Medicinal Plants: International Journal of Phytomedicines and related Industries*, 8(4): 267- 71.
- Kumar V, Sood M and Mehta A. 2015. Prospects of *Mentha spicata* under mid-hill conditions of Himachal Pradesh. *International Journal of Farm Science*, 5(4):202-9.

Book: Mehta A, Kumari N, Thakur U, Kumari Y, Garima and Bhatt S. 2025. Scientific cultivation of medicinal and aromatic plants. Ist Edition. Narendra Publishing house, New Delhi.pp217.

Awards & Recognitions

- Awarded National Mission on Himalayan Studies (NMHS) Fellowship (2016–2018).
- Received Uma Datt Mamgain Memorial Best Ph.D. Research Award (2017).
- Recipient of University Merit Scholarship during Ph.D. programme (2013–2016).
- Awarded Best Oral Presentation Award for the paper titled “Morpho-histological basis for identification of *Swertia chirata*: A traditional herb” at the 1st International Conference on Future Strategies for Sustainable Agriculture and Technology Impact on Human Health and Environment (2024).
- Awarded First Prize in Oral Presentation at the National Conference on “Indigenous Knowledge Systems for a Sustainable Future: A Roadmap to Viksit Bharat-2047” (13–14 February 2025).
- Received Certificate of Appreciation for exceptional contribution as a Keynote Speaker for the paper entitled “Ethnomedicinal Knowledge and Herbal Healthcare Practices of the Local Communities of Janjehli Valley: Integrating Traditional Wisdom into Sustainable Health Systems” (2026).
- Awarded Young Scientist Award at the 9th International Conference on Traditional & Alternative Medicine, Chennai (2026).