

Dr Seema Sharma

Assistant Professor

Specialization: Medicinal and Aromatic Plants

Contact: +91 1972-22301 (O)

Mobile: 9418044799

E.mail: sharsee06@gmail.com



PUBLICATIONS:

Research Publications

- **Sharma S, Sharma YP and Bhardwaj C. 2022. Optimization and comparison of different extraction techniques for colchicine from the seeds of *Gloriosa superba* L. *Annals of Phytomedicine* 11(2): 661–669.**
- **Sharma S and Sharma YP. 2022. Variation in podophyllotoxin with age in different plant parts of *Podophyllum hexandrum*. *Journal of Non-Timber Forest Products* 29(3): 105–107.**
- **Sharma S and Sharma YP. 2018. Comparison of different extraction methods and HPLC method development for the quantification of andrographolide from *Andrographis paniculata*. *Annals of Phytomedicine* 7(1): 119–130.**
- **Sharma S and Sharma YP. 2021. Studies on extraction efficiency and comparison of different extraction methods for determination of podophyllotoxin in *Podophyllum hexandrum*. *Medicinal Plants* 13(3): 472–478.**
- **Sharma S, Dogra KS, Sharma KR, Sharma R and Kumar A. 2020. Documentation of traditional knowledge of plant species occurring in Shilli Conservation Reserve, Himachal Pradesh. *Journal of Non-Timber Forest Products* 27(4): 187–190.**
- **Sharma S, Sharma YP, Bhardwaj C and Mehta A. 2018. Quantification of amaroswerin and amarogentin in different parts of *Swertia chirayita* by chromatographic analysis. *International Research Journal of Pure and Applied Chemistry* 17(4): 1–7.**
- **Sharma S, Sharma YP and Bhardwaj C. 2018. HPLC quantification of andrographolide in different parts of *Andrographis paniculata*. *Journal of Pharmacognosy and Phytochemistry* 7(5): 71–74.**
- **Mehta A, Rana RC, Sharma YP and Sharma S. 2017. Comparative thin layer chromatographic evaluation of some Western Himalayan *Swertia* species. *International Journal of Chemical Studies* 5(4): 86–92.**

- **Sharma S, Sharma YP and Bhardwaj C. 2019. Development and validation of HPLC method for determination and quantification of colchicine in *Gloriosa superba*. *International Research Journal of Pure and Applied Chemistry* 18(1): 1–9.**
- **Sharma K, Thakur S, Sharma S and Sharma SD. 2012. A new record on flowering in Harar (*Terminalia chebula* Retz.) seedling. *American Journal of Plant Sciences* 3: 693–695.**
- **Sharma S and Dogra KS. 2018. Utilization of Solanaceae for dental care management in India. *The Pharma Innovation* 7(5): 71–74.**
- **Dogra KS, Sood SK, Dobhal PK and Sharma S. 2010. Alien plant invasion and their impact on indigenous species diversity at global scale: A review. *Journal of Ecology and the Natural Environment* 2(9): 175–186.**

Books

- **Sood SK, Sharma S, Lakhanpal TN and Kumar S. 2011. *Indian Herbs for Perfumery and Beauty Care*. Daya Publishing House, New Delhi.**
- **Sood SK, Chandel R, Sharma S and Kumar S. 2014. *Unusual Folk Plants and Drugs of India*. Aavishkar Publishers and Distributors, Jaipur.**

Book Chapter:

- **Kumar C and Sharma S. 2025. *A Comprehensive Review on Controlling Forest Fires Using AI Technologies*. In: *Forest Fire and Climate Change Insight into Science*. Springer Nature Switzerland.**

Extension Publications

- **Seema Sharma, MK Brahmi, Meenu Sood, Yourmila Kumari and Garima. 2025. Aushdhiye avam sugandhit paudhon ki kheti dwara mahila shashaktikaran. Van-Sandesh, Forest Department, Shimla-Himachal Pradesh.16-18.**

Achievements

- **Received the Best Poster Award at the International Conference on "Science: Emerging Scenario and Future Challenges" (2018), organized by the Him Science Congress Association at NIT Hamirpur, for presenting research on "Chemical Studies in Different Parts of *Gloriosa superba* L."**
- **Honoured with the Uma Datt Mamgain Memorial Best Research Award for Ph.D. at the National Seminar on "Doubling Income through Sustainable & Holistic Agriculture (DISHA)" (2019), organized by the Society for Advancement of Human and Nature (SADHNA) at UHF, Nauni- Solan.**
- **Awarded the Overall first Certificate for securing First Position in University during M.Sc.**
- **Qualified ICAR-NET.**
- **Awarded Merit Scholarship during Ph.D. programme.**