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Educational Qualification

Sl. No	EXAMS PASSED	UNIVERSITY/ INSTITUTE/ BOARD	YEAR OF PASSING	SUBJECT OF SPECIALISATION	DIV. / CLASS & % OF MARKS
1	High School (10 th)	Uttarakhand Board of School Education	2010	Hindi, English, Mathematics, Science, Social Science	1st
2	Intermediate (12 th)	Uttarakhand Board of School Education	2012	Hindi, English, Mathematics, Physics, Chemistry	1st
3	Graduation (B.Sc)	Hemwati Nandan Bahuguna Garhwal University	2015	Physics, Chemistry, Mathematics	1st
4.	Post Graduation (M.Sc)	Hemwati Nandan Bahuguna Garhwal University	2017	Chemistry	1st
5.	PhD	Forest Research Institute, Dehradun, INDIA	Ongoing	Ph.D. Forestry (Chemistry of Forest products)	-

Details about ongoing PhD:

PhD registered University:	Forest Research Institute, Dehradun, India
Name of institute/lab of PhD work	Chemistry and Bioprospecting Division
Name of PhD supervisor:	Dr. VK Varshney
Title of PhD work:	Chemical investigation of <i>Prinsepia utilis</i> seeds and leaves for fatty oil and biochemical constituents
PhD starting month and year	March 2020

Gate Qualified: Yes (2023, 2024)

NET Qualified: Yes (2018 NET-JRF, 2019 NET)

Awards and Fellowships

Scholarship for Higher Education (SHE) component under INSPIRE scheme
NET-JRF

Patent

Chauhan, K., Chitme, H.R., Tripathi, Y.C., and Varshney, V.K. (2023). Topical Herbal Gel Formulation for Pain and Method for Preparation Thereof. February 2023, Patent: E-106/2835/2023/DEL & E-12/1350/2023/DEL. Application no-202311013393.

List of Publications

1. **Chauhan, K.,** Tripathi Y.C., and Varshney V.K., (2023). *Prinsepia utilis* Royle: A review on its traditional uses, phytochemistry, and biological activities. Phytochemistry Letters, 55, 44-55. <https://doi.org/10.1016/j.phytol.2023.03.009>.
2. **Chauhan, K.,** Bhalla, P., Chitme, H.R., and Varshney, V.K., (2024). Exploring the therapeutic potential of *Prinsepia utilis* Royle seed oil: A comprehensive study on chemical composition, physicochemical properties, anti-inflammatory, and analgesic activities. Journal of Ethnopharmacology, 319(3), 117312. <https://doi.org/10.1016/j.jep.2023.117312>.
3. **Chauhan, K.,** Bhalla, P., Bhadoriya, K., Varshney, V.K., (2024). Untargeted metabolomic profiling of *Prinsepia utilis* Royle leaves by Ultra-Performance Liquid Chromatography-Quadrupole-Time of Flight-Mass Spectrometry. J Mass Spectrom. 59(8):e5075. doi:10. 1002/jms.5075
4. Bhalla, P., **Chauhan, K.,** Chitme, H.R., and Varshney, V.K. (2023). Phytochemistry and therapeutical potential of *Cupressus torulosa* needles essential oil from India. Chemistry and Biodiversity, <https://doi.org/10.1002/cbdv.202301259>.
5. Bhalla, P., **Chauhan, K.,** and Varshney, V. K. (2024). Unveiling the aromatic secrets: analysis of odor-active components in *Cupressus torulosa* needles essential oil using GC-O and aroma extract

dilution analysis. Journal of Essential Oil Research, 1–9.
<https://doi.org/10.1080/10412905.2024.2389406>

6. Bhalla, P. and **Chauhan, K.** (2024). Cinnamomum tamala essential oil: From traditional wisdom to modern application. In *Advancements in Agrotechnology: Exploring Phytochemical Applications of Medicinal and Aromatic Plants*, Vol. II (pp. 1-14). Mahi Publications.
7. Bhalla, P., **Chauhan, K.** and Varshney, V.K. (2025). Unveiling geographical variation and chemotypes of Cupressus torulosa needle essential oil: A novel approach using t-SNE and HCA. *Flavour and Fragrance Journal*, 40(1), 91-102.
8. Deepti, Bachheti, A. J., **Chauhan, K.**, Bachheti, R.K. and Husen, A. (2022). Impact of UV Radiation on the Growth and Pharmaceutical Properties of Medicinal Plants. In *Environmental pollution and medicinal plants* (pp. 13). CRC Press. DOI: [10.1201/9781003178866-3](https://doi.org/10.1201/9781003178866-3)

List of Conference (Oral/Poster) Presentations

1. Participated and presented a poster entitled “Evaluation of Prinsepia utilis Seeds for Yield, Composition and Physicochemical Characteristics of Fatty Oil” for online International Conference on “Conservation, management & sustainable utilization of lesser known plants (LKPs)” held at FRCER, Prayagraj from 18-19th March’ 2021
2. Participated and presented a poster entitled “Chemical examination of Fatty Oil of *Prinsepia utilis* seeds” in the National Conference on “Value addition & Marketing of NTFPs” held at T.F.R.I., Jabalpur (M.P.) on 16th December, 2021.
3. Participated and presented a poster entitled “Bioprospecting for utilization of seed oil of Prinsepia utilis Royle” in the International Conference on Biodiversity & Bioprospecting organized by Department of Plant Resources, Ministry of Forest & Environment, Govt. of Nepal from June 22-24, 2022 at Kathmandu (Nepal).
4. Participated and presented a paper entitled “Chemical examination and value addition of seed oil of Prinsepia utilis Royle from Uttarakhand” in the 15th and 16th Uttarakhand State Science & Technology Congress held at Graphic Era Deemed to be University, Dehradun from June 22- 24, 2022.
5. Participated and presented a paper entitled “Prinsepia utilis Royle seed oil: A comprehensive study on its fatty acid composition and anti-inflammatory property” for 28th ISCB International Conference (ISCBC-2024) from 8th - 10th January, 2024 at Marwadi University, Rajkot, Gujarat, India.
6. Participated and presented a paper entitled "Exploring the Therapeutic Potential of Prinsepia utilis Seed Oil: Insights from Fatty Acid Composition and Pharmacological Activities" in the National Seminar on 'Cultivation, Conservation and Sustainable Utilization of Medicinal Plants in North Bengal' held at Siliguri, West Bengal on March 13-14, 2024.