

Faculty Profile

1. Name: Dr. Harsh Kumar Chauhan
2. Designation: Assistant Professor (Guest Faculty)
3. Qualification: Ph.D.
4. Area of Specialization/Research field: Conservation Biology
5. Awards/Recognition:
 - i) RA (UNDP, MOEFCC and GEF sponsored project)
 - ii) UGC-BSR-JRF/SRF
 - iii) USET-2015
 - iv) Budding Botanist Award by Department of Botany, D.S.B. Campus, Kumaun University, Nainital.
 - v) **Reviewer to Journals:** Journal of Applied Research on Medicinal and Aromatic Plants (Elsevier, Impact factor 2022: 3.945), Ecological Engineering (Elsevier, Impact factor JCR 2022: 4.379), Botany formerly Canadian Journal of Botany (Canadian Science Publishing, Impact factor JCR 2022: 1.361), Indian Journal of Experimental Biology (CSIR-NISCAIR, Impact factor JCR 2022: 0.944), Nordic Journal of Botany (Wiley, Impact factor JCR 2022: 0.931), Agriculture and Natural Resources (Elsevier). Credential verifiable at: <https://www.webofscience.com/works/author/record/288106>
 - vi) Member, IUCN-Species Survival Commission, Medicinal Plants Specialist Group, Gland, Switzerland.
 - vii) Member, IUCN-Species Survival Commission, Sustainable Use and Livelihood Specialist Group, Gland, Switzerland.
6. Number of Research Projects: NA
7. Number of Ph.D. Candidates successfully supervised: NA
8. Number of Ph.D. Candidates successfully working: NA

9. Publication:

- i) Books: NA
- ii) **Research Articles published in Journals**

- Agnihotri, S., Dobhal, P., Ashfaquallah, S., **Chauhan, H.K.*** and Tamta, S. (2022). Review of the botany, traditional uses, pharmacology, threats and conservation of *Zanthoxylum armatum* (Rutaceae). *South African Journal of Botany* 150: 920-927 <https://doi.org/10.1016/j.sajb.2022.08.038> (Elsevier, **Impact factor JCR 2022: 3.111**).
- Chauhan, H.K.***, Oli, S., Bisht, A.K., Meredith, C. and Leaman, D. (2021). Review of the biology, uses and conservation of the critically endangered endemic Himalayan species *Nardostachys jatamansi* (Caprifoliaceae). *Biodiversity and Conservation* 30: 3315-3333. <https://doi.org/10.1007/s10531-021-02269-6> (Springer, **Impact factor JCR 2022: 4.296**).
- Chauhan, H.K.*** and Gallacher, D. (2021). Can citizen reporting apps plug the data gap in the Himalayan wildlife trade? *Trees, Forest and People* 6 (2021): 100150 <https://doi.org/10.1016/j.tfp.2021.100150> (Elsevier).
- Chauhan, H.K.***, Gallacher, D., Bisht, A.K., Bhatt, I.D., Bhatt, A., Dhyani P. and Kewlani P. (2021). Variation of phytochemistry, morphology and population structure in *Trillium govanianum* (Melanthiaceae). *Botany (Formerly Canadian Journal of Botany)* 99(10): 651-664. <https://doi.org/10.1139/cjb-2020-0140> (Canadian Science Publishing, **Impact factor JCR 2022: 1.361**).
- Chauhan, H.K.***, Bisht, A.K., Bhatt, I.D. and Bhatt, A. (2020). Protocol for vegetative propagation of *Trillium govanianum* Wall ex. D. Don. *Journal of Applied Research on Medicinal and Aromatic Plants* 16 (2020): 100233 <https://doi.org/10.1016/j.jarmap.2019.100233> (Elsevier, **Impact factor JCR 2022: 3.954**).
- Chauhan, H.K.**, Bisht, A.K., Bhatt, I.D., Bhatt, A. and Gallacher, D. (2019). *Trillium*—toward Sustainable Utilization of a Biologically Distinct Genus Valued for Traditional Medicine. *The Botanical Review* 85 (3): 252-272. <https://doi.org/10.1007/s12229-019-09211-0> (Springer, **Impact factor JCR 2022: 4.581**).
- Chauhan, H.K.**, Bisht, A.K., Bhatt, I.D., Bhatt, A., Gallacher D. and Santo, A. (2018). Population change of *Trillium govanianum* (Melanthiaceae) amid altered indigenous harvesting practices in the Indian Himalayas. *Journal of Ethnopharmacology* 213, 302-310. <https://doi.org/10.1016/j.jep.2017.11.003> (Elsevier, **Impact factor JCR 2022: 5.195**).

iii) Chapter published in Books

- Chauhan H.K.** (2022). Love Apple (*Paris polyphylla*): Biology, uses and conservation. In: DiPaolo D., Vilella J. (Editors). Imperiled: The Encyclopedia of Conservation”, Reference Module in Earth Systems and Environmental Sciences, Elsevier <https://doi.org/10.1016/B978-0-12-821139-7.00189-6>
- Chauhan H.K.** (2022). *Nardostachys jatamansi* - An endemic Himalayan species in peril. In: DiPaolo D., Vilella J. (Editors). Imperiled: The Encyclopedia of Conservation”, Reference Module in Earth Systems and Environmental Sciences, Elsevier <https://doi.org/10.1016/B978-0-12-821139-7.00158-6>
- Chauhan H.K.** (2022). Kamchatka Trillium (*Trillium camschatcense*): Biology, uses and conservation. In: DiPaolo D., Vilella J. (Editors). Imperiled: The Encyclopedia of Conservation”, Reference Module in Earth Systems and Environmental Sciences, Elsevier <https://doi.org/10.1016/B978-0-12-821139-7.00190-2>
- Chauhan H.K.*** and Oli S. (2022). Threats to the Mountain Woods Trillium (*Trillium tschonoskii*) In: DiPaolo D., Vilella J. (Editors). Imperiled: The Encyclopedia of Conservation”, Reference Module in Earth Systems and Environmental Sciences, Elsevier <https://doi.org/10.1016/B978-0-12-821139-7.00172-0>
- Chauhan H.K.***, Oli, S, Bisht A.K., Bhatt I.D. (2022). *Bischofia javanica* Blume. Eds: Belwal, T., Bhatt I., Devkota H. In: Himalayan Fruits and Berries (Elsevier). <https://doi.org/10.1016/B978-0-323-85591-4.00045-3>
- Chauhan, H.K.**, Bhatt, I.D. and Bisht, A.K. (2020). Biology, Uses and Conservation of *Trillium govaniatum*. In: Roy, N., Roychoudhury, S., Nautiyal, S., Agarwal, S., Bakshi, S. (Editors). Socio-economic and Eco-biological Dimensions in Resource use and Conservation. Springer International Publishing, Springer Nature, Switzerland AG. pp 235-247. https://doi.org/10.1007/978-3-030-32463-6_11
- Chauhan, H.K.** and Bisht, A.K. (2017). Making Himalayas Sustainable: Opportunities and Challenges in Indian Himalayan Region. In: Bhore S., Marimuthu K., Ravichandran M. (Editors). Biotechnology for Sustainability Achievements, Challenges and Perspectives. AIMST University, Malaysia, pp 129-140. <https://www.yumpu.com/en/document/read/59169414/biotechnology-for-sustainability-achievements-challenges-and-perspectives>.
- Chauhan, H.K.**, Kumar, H, Sharma, P. and Singh, L. (2018). Natural Disasters in Hilly Areas: Special Reference to People Living in Indian Himalayan Region. Thakur A.K., Singh N. (Editors). In Disaster Management, Corporate Social Responsibility, and Conservation Issues. The Energy and Resources Institute (TERI), New Delhi, India.

iv) **Monographs/Reports if any: IUCN-RED LIST ASSESSMENTS**

Chauhan, H.K. (2021). *Trillium tschonoskii*. *The IUCN Red List of Threatened Species* 2021: e.T18816841A84010024.

<https://dx.doi.org/10.2305/IUCN.UK.20213.RLTS.T18816841A84010024.en>

Chauhan, H.K. (2021). *Nardostachys jatamansi*. *The IUCN Red List of Threatened Species* 2021: e.T50126627A88304158.

<https://dx.doi.org/10.2305/IUCN.UK.20213.RLTS.T50126627A88304158.en>

Chauhan, H.K. (2021). *Picrorhiza kurroa*. *The IUCN Red List of Threatened Species* 2021: e.T88304131A88304135.

<https://dx.doi.org/10.2305/IUCN.UK.20213.RLTS.T88304131A88304135.en>

Chauhan, H.K. (2021). *Trillium camschatcense*. *The IUCN Red List of Threatened Species* 2020: e.T175803936A176257685.

<https://dx.doi.org/10.2305/IUCN.UK.20203.RLTS.T175803936A176257685.en>

Chauhan, H.K.* and Bisht, A.K. (2020). *Trillium govianum*. *The IUCN Red List of Threatened Species* 2020: e.T175804005A176257695.

<https://dx.doi.org/10.2305/IUCN.UK.20203.RLTS.T175804005A176257695.en>

Chauhan, H.K. (2020). *Paris polyphylla*. *The IUCN Red List of Threatened Species* 2020: e.T175617476A176257430.

<https://dx.doi.org/10.2305/IUCN.UK.20203.RLTS.T175617476A176257430.en>

*Corresponding author

v) IPR Registered/Award: NA

10. Conference/Seminar Organized: NA

11. Session Chaired in Conferences/Seminars: NA

12. Academic/Administrative position held:

Member, Innovation and Incubation Centre, Kumaun University, Nainital, India

Member, Society and Industrial Connect, Kumaun University, Nainital, India

Member, Consortium for Academic Research and Ethics, Kumaun University, India

13. Membership to professional Organization/Associations:

IUCN-Species Survival Commission, Gland, Switzerland

14. Any other Information:

Publications acknowledged in national and international news:

Chauhan, H.K., Bisht, A.K., Bhatt, I.D., Bhatt, A., Gallacher D. and Santo, A. (2018). Population change of *Trillium govianum* (Melanthiaceae) amid altered indigenous harvesting practices in the Indian Himalayas. *Journal of Ethnopharmacology* (Elsevier) 213, 302-310. <https://doi.org/10.1016/j.jep.2017.11.003>

This study was acknowledged on the National Science and Technology Page of 'The Hindu' leading National Newspaper of India on 20th May, 2018 (Online 19th May, 2018)

<https://www.thehindu.com/sci-tech/energy-and-environment/unregulated-harvest-threatens-a-himalayan-herb/article23938008.ece>

Chauhan, H.K.* and Bisht, A.K. (2020). *Trillium govanianum*. *The IUCN Red List of Threatened Species* 2020: e.T175804005A176257695. <https://dx.doi.org/10.2305/IUCN.UK.20203.RLTS.T175804005A176257695.en>

This study was acknowledged on the National Science and Technology Page of 'The Hindu' leading National Newspaper of India on 20th December, 2020 (Online 19th December, 2020)

<https://www.thehindu.com/sci-tech/energy-and-environment/overexploitation-long-life-cycle-have-endangered-a-common-himalayan-herb/article61936530.ece>

Chauhan, H.K.* and Gallacher, D. (2021). Can citizen reporting apps plug the data gap in the Himalayan wildlife trade? *Trees, Forest and People* (Elsevier) 6 (2021): 100150. <https://doi.org/10.1016/j.tfp.2021.100150>

This study was acknowledge in several international news, including the website of Convention on Biological Diversity (CBD)

<https://www.cbd.int/kb/record/newsHeadlines/132699?RecordType=newsHeadlines>

<https://india.mongabay.com/2022/01/using-citizen-science-to-track-illegal-wildlife-trade-in-the-himalayas/>


<https://scroll.in/article/1015762/citizen-apps-a-possible-new-way-to-track-wildlife-trafficking-in-the-himalayas>

<https://www.gulftoday.ae/opinion/2022/01/25/citizen-science-could-track-himalayan-illegal-wildlife-trade>

<https://darik.news/massachusetts/using-citizen-science-to-track-illegal-wildlife-trade-in-the-himalayas/481548.html>

<https://6park.news/massachusetts/using-citizen-science-to-track-the-illegal-wildlife-trade-in-the-himalayas.html>

Date: 5.11.2022


Signature of Faculty Member