

**Dr HC Sharma**  
Assistant Professor

Specialization: Environmental Impact Assessment, Climate Change Vulnerability Analysis and Biodiversity Assessment Studies

Contact: +91-01792252023 (O)

Cell: 9459032235, 8580672872

Email: [hukamchandevs@gmail.com](mailto:hukamchandevs@gmail.com)



### Ongoing Research Projects

- Effect of climate change induced abiotic stresses on commercial vegetable crops in mid hills of Himachal Pradesh, funded under Research and development funds (Principal Investigator).
- Forecasting Agricultural Output using Space Agro meteorology and Land based observations funded by Ministry of Agriculture & Farmer Welfare (Co-Principal Investigator).
- Assessment of Impacts of Climate Variability/ Change on Apple crop Productivity and Quality in Himachal Pradesh funded by State Horticulture Department, Himachal Pradesh (Co-Principal Investigator)

### Important Research Publications

- Chand H, Verma SC, Kapoor T and Bhardwaj SK. 2018. Assessment of apple crop vulnerability to climate change in Himachal Pradesh, India. *Journal of Agrometeorology* **20** (4): 347-352.
- Chand H, Verma SC, Bhardwaj SK, Sharma SD, Sharma R and Mahajan PK. 2016. Climate Change and its Impact on Apple Farming in High Hill Dry Temperate Zone of Himachal Pradesh-Farmers Perception and Responses. *Indian Journal of Ecology* **43** (1): 234-237.
- Chand H, Verma SC, Bhardwaj SK, Sharma SD, Mahajan PK and Sharma R. 2016. Effect of changing climatic conditions on chill units accumulation and productivity of apple in mid hill sub humid zone of western Himalayas, India. *Current World Environment* **11**(1): 142-149.
- Chand H, Verma KS and Kapoor T. 2016. Environmental Impact Assessment of Kol-Dam Hydropower Project – A Case Study from Himachal Pradesh, India. *Current World Environment* **11**(1): 167-177.
- Chand H, Guleria C, Guleria A and Kashyap R. 2016. Resource use efficiency and marketing analysis of Apple crop in Shimla district of Himachal Pradesh, India. *International Journal of Farm Sciences* **7** (1): 154-159.
- Singh N, Sharma DP and Chand H. 2016. Impact of Climate Change on Apple Production. *Current World Environment* **11**(1): 251-259.
- Sharma AK, Gautam V, Chand H, Pandit J and Bhardwaj SV. 2016. Mass Multiplication and Genetic Fidelity Assessment of *Asparagus adscendens* Roxb. *Indian Journal of Ecology* **43** (1): 224-228.
- Kapoor T, Chauhan RC and Chand H. 2015. Impacts of Different Management Practices on Physico- Chemical Properties of Soil in Mid- Hill, Sub-Humid Zone-II of Himachal Pradesh. *Current World Environment* **10** (3): 934-940.
- Chand H, Verma SC, Bhardwaj SK, Sharma SD, Mahajan PK and Sharma R. 2015. Assessment of chill units accumulation and apple productivity under changing climatic conditions in high hill temperate wet zone of North-Western Himalayas. *Journal of Hill Agriculture* **6** (2): 228- 232.
- Chand H, Verma KS, Bhardwaj SK, Reddy MC. 2014. Assessment of floral diversity in north western Himalayas –A case study from KOL Dam watershed. *Ecology Environment & Conservation* **20** (2): 823-828.

### Awards/ Recognitions

- Gold Medal (M.Sc.) for 2011-12 academic session awarded by Himo-Utkarsh Organization. Reg. Una (HP)

- INSPIRE Fellowship Award for Ph.D. by DST, INSPIRE Division, GoI
- National Post-Doctoral Fellowship Award (N-PDF) by DST, Science & Engineering Research Board, GoI
- Young Environmentalist Award- 2019, Awarded by Agro Environmental Developmental Society, Regd. UP India