

Dr Pratima Vaidya Assistant Professor

Specialization: Environmental Science, Soil water pollution monitoring, Climate change vulnerability assessment, mitigation and adaptation

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Ongoing Research Projects

- Water quality assessment of surface and groundwater sources in mid hills of Himachal Pradesh, funded under Research and development funds (Principal Investigator).
- Effect of climate change induced abiotic stresses on commercial vegetable crops in mid hills of Himachal Pradesh, funded under Research and development funds (Co- Principal Investigator).

Important Research Publications

- Kaur H, Vaidya P and Parmar N. 2021. Effect of organic and inorganic fertilizers on growth, yield and economics of hybrid maize (*Zea mays* L.). *Indian Journal of Agronomy* **65**(4):497-500.
- Vaidya P, Randhawa S, Sharma P, Sharma YP, Satyarthi K and Randhawa SS. 2019. Impact of climate variability during various phenological periods on temperate fruit crops in Kullu district of Himachal Pradesh, India. *Journal of Agrometeorology* **21**(3): 366-371.
- Vaidya P, Randhawa S, Sharma P, Sharma YP, Satyarthi K and Randhawa SS. 2018. Climate variability and crop productivity in Himalayan ecosystem: a case study of Kullu district. *Mausam* **69**(4): 563-570.
- Vaidya P, Bhardwaj S. K. and Sood S. 2018. Land use and land cover changes in Kullu valley of Himachal Pradesh. *Indian Journal of Agricultural Sciences* **88** (6): 902-906.
- Vaidya P and Bhardwaj SK. 2018. Land use changes and their impact on groundwater quality in mid hills of Himachal Pradesh. *International Journal of Ecology and Environmental Sciences* **44** (2): 127-134.
- Vaidya P, Bhardwaj SK and Sood S. 2017. Regional land use/land cover dynamics and drivers for mid hills of Solan district (Himachal Pradesh). *Indian Journal of Ecology* **44** (6): 914-918.
- Vaidya P, Verma KS, Bhardwaj SK and Chandel S. 2017. Carbon stock dynamics and physico- chemical properties of soils under farm plantations in midhills of Himachal Pradesh. *Indian Journal of Soil conservation* **45**(3): 263-269.
- Vaidya P, Verma KS, Bhardwaj SK, Brahmi MK, Sharma DP and Gupta RK. 2017. Allometric models for estimating tree biomass and soil carbon stocks of small scale plantations in subtropical- subtemperate regions of western Himalayas. *Indian Forester* **143**(5):411-416.
- Chandel S, Tripathi D, Kaur J, Brar RK and Vaidya P. 2015. Relationship of bulk density with other soil characteristics under polyhouses in mid-hill zone of Himachal Pradesh. *International Journal of Farm Sciences* **5**(4): 257-263.

Awards and Recognition

- Awarded with INSPRE Scholarship by Department of Science and Technology, Government of India for pursuing Ph.D. in Environmental Science.
- Awarded with 1st price in poster presentation in ISTS-IUFRO Conference on 'Sustainable resource management for climate change mitigation and social security' organized by

Indian Society of Tree Scientists in collaboration with International Union of Forest Research Organizations w.e.f. March 13-15, 2014.

- Awarded best poster presentation on topic entitled 'Vulnerability of farming community to land use changes in mid hills of Himachal Pradesh' in virtual national conference on 'strategic re-orientation for climate smart agriculture w.e.f. March 17-19, 2021.