

Dr Bhupender Dutt

Professor

Specialization: Forest Products, Medicinal and Aromatic Plants, Conservation, maintenance and multiplication of Plant Germplasm, Survey, Ethnobotany, Wood Science, Non-Timber Forest Products.

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Ongoing Research Projects

- Establishment of Forestry Herbarium-preserved genetic resources of RET Species of H.P. funded by State Government (Principal investigator)
- Mega Seed Project “Seed Production of Agricultural Crops and Fisheries” (Production of seed/planting material of medicinal and Aromatic Plants-Revolving Fund Scheme) (Principal investigator)
- ICAR- Network Project on “Harvesting, Processing and Value Addition of Natural Resins and Gums”. (Co-Principal investigator).
- Revolving Fund Scheme for Production of planting material of selected Medicinal Plants (Co-Principal Investigator).
- Strengthening of Botanical Garden through ex-situ conservation of rare, endangered, threatened, endemic & economic plant resources of north Western Himalayan Region at Dr YS Parmar University of Horticulture and Forestry (Creation of Unique Biodiversity Garden in North India) funded by Ministry of Science & Technology Department of Science and Technology, Seed Division, Govt. of India New Delhi (Principal Investigator).
- Promoting and post harvest value addition of four important herbs for improvement of livelihood security in cold desert areas of Himachal Pradesh. (Jointly with CSIR- IHBT Palampur and IIT Kharagpur) from 2021-2013 (Co-Principal investigator).

Important Research publications

- Bhatt S, Bhupender Dutt, Sharma KR and RK Meena, 2016.Variation in soluble extractives, lignin and holocellulose content of different species of *Shorea*. *Environment and Ecology*, 34 (4D): 2587-2590
- Neha Sharma, Manisha Thakur, Pooja Sharma, Bhupender Dutt, Yash Pal Sharma. 2022. *In vitro* propagation from seeds and enhanced synthesis of podophyllotoxin from root callus of *SinoPodophyllum hexandrum* Royle T.S. Ying (Himalayan Mayapple)- An endangered medicinal plant.*Industrial Crops & Products*. 186: 115300
- Chauhan K, Sharma KR and Bhupender Dutt, 2016. Effect of the *Melia azedarach* L. Fruit Extract on Swelling of Non-durable Wood Species. *Indian Journal of Ecology* 43 (Special Issue-21): 872-874.
- Gupta, H; Sharma, KR and Bhupender Dutt 2016. Effect of plant extracts on specific gravity of *Lannea coromandelica* (Houtt.) Merr.Wood. *Ecology, Environment and Conservation* 22(4): 1857-1860.
- Kumar, R; Sharma, KR; Bhupender Dutt and Varun Attri, 2015. Effect of resin tapping methods on oleoresin quality in ble Pine (*Pinus wallichiana* AB Jackson). *Indian Journal of Ecology*.42 (2): 498-500.
- Negi, VM and Bhupender Dutt, 2007. Threatened medicinal and aromatic plants of Sangla Valley, District Kinnaur in Himachal Himalayas. *Eco. Env. and Cons.* 13 (1):55-58
- Negi,VM and Bhupender Dutt, 2007. Threatened medicinal and aromatic plants of Sangla

Valley, District Kinnaur in Himachal Himalayas. *Eco. Env. and Cons.* 13 (1):55-58

- Pandey R, Chandra, P Kumar, Bhupender Dutt and KR Sharma, 2016. A rapid and highly sensitive method for simultaneous determination of bioactive constituents in leaf extracts of six *Ocimum* species using ultra high performance liquid chromatography-hybrid linear ion trap triple quadrupole mass spectrometry. *Analytical Methods*, 8 (2): 333-341.
- Thakur U, Bhupender Dutt, Sarvade S. and KR Sharma S. 2015. Effect of FYM doses and plant spacing on production of *Oenothera biennis* L. *Indian Journal of Ecology*. 42 (2): 359-362.
- Kumar R, Sharma KR, Bhupender Dutt and Varun Attri, 2015. Effect of resin tapping methods on oleoresin quality in blue Pine (*Pinus wallichiana* AB Jackson). *Indian Journal of Ecology*. 42 (2): 498-500.

Awards & Recognitions

- Best Poster Presentation Award: Evaluation of Germplasm and Standardization of Propagation Techniques of *Inula racemosa*: An Endangered Medicinal Crop of North Western Himalaya (Bhupender Dutt, Harpal Singh, KR Sharma & SS Sharma) in 1st International Agro biodiversity Congress, Science Technology, held at Vigyan Bhawan, New Delhi. Organised by Indian Society of Plant Genetic Resources and Biodiversity International New Delhi, India (November 6-9 2016).
- Second Position in Photography competition on ecological theme in *Indian Ecological Society International Conference*: Natural Resource Management Ecological Perspective held at Sher-e-Kashmir University of Agricultural Sciences & Technology (SKUAS&T), Jammu, India (February 18-20 2016)
- Member Secretary, Board of Studies, College of Forestry, YSP, UHF, Solan.
- Member Committee "MHRD – Institution Innovation Council (IIC) of the University" constituted by the Hon'ble Vice Chancellor, Dr YSP UHF, Solan.
- Nodal Officer, College of Forestry for starting of special coaching classes to prepare students of the University for Competitive Examination.
- President Students Central Association College of Forestry (1989-1990), UHF Solan.
- UNDP Senior Fellowship during Ph.D. Forestry (Forest Products) Programme.
- First Position in B.Sc. Forestry Final Year, College of Forestry, UHF Solan.
- Merit Scholarship during M.Sc. Forestry (Forest Products) Programme.