

## **Dr. Manoj Kumar Thakur**

Professor (Forestry)

Specialization: Agroforestry

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### **Research Projects**

- ICAR network project on climate change (ICAR, GOI).
- Refinement of propagation technique for mass multiplication of thornless robinia. (HP State Department of Agriculture)
- Rehabilitation of partly closed dumping site of Parbati stage-III hydroelectric power project by integrated technological approach as a test trial (NHPC Limited)
- Improvement in afforestation status of dumping site (DS-6(2) along PWD road near TRT adit ) of NHPC Parbati HEP stage-III (NHPC Limited).
- Reclamation of dumping site (DS-5) through vegetative model (NHPC Limited).
- Studies on development of bamboo based agroforestry models for Himachal Pradesh. (Department of agriculture and Cooperation, GOI, New Delhi)
- Demonstration for amelioration of degraded lands of Himachal Pradesh through genetically superior clones of willow and poplar (Ministry of rural development, GOI, New Delhi).
- Survey, collection and domestication of medicinal and aromatic plants-Central sector scheme for development medicinal and aromatic plants (Ministry of Agriculture and Cooperation, GOI)
- Genetic profiling and pilot production of the identified elite species and quantification of their active biomolecules (DBT, GOI)
- Standardization of agrotechniques for production of *Picrorhiza Kurrooa* Royle ex Benth. Under organic conditions (ICAR, GOI).
- Centrally sponsored scheme of National Mission on Medicinal Plants in the state of HP (Department of Horticulture).

### **Best 10 Research Publications**

- Thakur MK and Verma KS. 2005. Bio-economic performance of agroforestry land use systems in the Western Himalaya. *Journal of Tree Sciences* 24 (1):20-27.
- Thakur MK, Chauhan R, Khurana DK and Mishra VK.2006. Performance of Poplar clones under nursery conditions inKullu valley of Himachal Pradesh. *Environment and Ecology* 24 S (2):299-301.
- Thakur MK and Verma KS. 2007. Performance of mulberry, peach and soybean under agrihortisilviculture system. *Environment and Ecology*. 25 S (1): 35-38.
- Thakur MK and Chauhan R (2008). Standardization of method and time of grafting for mass multiplication of thornless black locust (*Robinia pseudacacia* L.) *Indian Forester* 134(6): 843-48.
- Thakur MK and Chauhan R (2008). Growth performance of seven tree species in riverian area of north western Himalaya. *Indian Journal of Forestry* 31 (1): 53-55.
- Thakur MK, Chauhan R and Sharma KR. 2012. Effect of pre planting moisture treatments on sprouting and yield attributes of *Picrorhiza kurrooa* Royle ex Benth. *Journal of Tree Science* 31(1 &2):76-80.

- Thakur MK, Chauhan R and Pant KS. 2013. Bioresources for productivity enhancement in Kutki (*Picrorhiza Kurrooa Royle ex Benth*). International Journal of Bioresource and Stress Management 4 (4):482-86.
- Thakur MK. 2014. Effect of growth regulators on survival and yield attributes of *Picrorhiza kurrooa Royle ex Benth*. International Journal of Farm Sciences 4(4): 128-35.
- Thakur MK. 2014. Performance of *Picrorhiza kurrooa Royle ex Benth* under different growing media. International Journal of Farm Sciences 4(3):132-137.
- Thakur MK. 2015. Effect of pre planting water dip treatments on sprouting and yield attributes of *Picrorhiza kurrooa Royle ex Benth*. Journal of Tree Sciences 34(1):69-73.

#### **Books and Manuals**

- Thakur MK 2007. Karru, Patish va Sugandh bala ki vegyanik kheti. Directorate of Extension Education, UHF, Nauni, Solan. 20p.

#### **Awards & Recognitions**

- Gold Medal in M.Sc.
- Merit Scholarship in B.Sc.
- UNDP Fellowship in M.Sc.
- UNDP Fellowship in Ph.D.