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### **On-going Research Projects**

- All India Coordinated Research Project on Agroforestry, ICAR (CO-PI).
- Consultancy for Plantation for stability of Cutting and Filled up Slopes (Bhanupali to Beri via Bilaspur Railway line) (CO-PI).

### **Best 10 Research Papers**

- Kapoor S, Bishist R, Sharma P, **Prakash P**, Chauhan A, Gautam KL, Sharma R, Kishore K and Thakur Y. 2026. Integrating bamboo-derived biochar into *Morus*-based agroforestry for improved soil fertility, crop productivity and environmental sustainability in the North-Western Himalayas. *Biomass and Bioenergy* **212**:109295. <https://doi.org/10.1016/j.biombioe.2026.109295>
- Rana P, **Prakash P**, Bishist R, Verma R, Singh U, Thakur N, Chauhan S, Kapoor S, Kishore K and Pathania R. 2026. Synergizing nutrient management and mulching for onion cultivation under pomegranate-based agroforestry system in North-Western Himalayas. *Agroforestry Systems* **100**:126. <https://doi.org/10.1007/s10457-026-01502-x>
- Pooja, **Prakash P**, Kumar P, Bishist R, Kumar P, Shilpa, Singh R and Bhatia AK. 2025. Impact of altitudinal gradients on composition, biomass and soil nutrients of *Cedrus deodara* forests in the Northwestern Himalaya. *Trees, Forests and People* **21**: 100937. <https://doi.org/10.1016/j.tfp.2025.100937>
- Thakur A, **Prakash P**, Bishist R, Verma P, Bhardwaj DR, Sharma H, Bhatia AK, Thakur S and Pooja. 2025. Effect of organic mulches and farming practices on strawberry yield and economics under wild pomegranate-based agroforestry systems in the western Himalayas. *Agroforestry Systems* **99**: 210. <https://doi.org/10.1007/s10457-025-01315-4>

- Singh R, **Prakash P**, Singh AK, Shukla S, Sharma P, Chauhan V, Singh BK and Pooja. 2025. Altitudinal variation in carbon stocks of *Quercus leucotrichophora* forests in the Western Himalayas: implications for climate change mitigation. *Trees, Forests and People* **22**:101059. <https://doi.org/10.1016/j.tfp.2025.101059>
- Chauhan S, Guleria V, **Prakash P**, Chauhan S, Bhatia A, Gupta H, Kumar S and Chauhan A. 2025. Optimizing tree spacing and nutrient management for marigold cultivation under *Mangifera indica*-based agroforestry system in submontane low hill zone of the North-Western Himalaya. *Agroforestry Systems* **99**:197. <https://doi.org/10.1007/s10457-025-01280-y>
- Khan A, Sharma Y, **Prakash P**, Ranga A, Bhatia, Dogra D and Gupta A. 2025. Improved performance of *Andrographis paniculata* in litchi-based agroforestry systems. *Agroforestry Systems* **99**:189. <https://doi.org/10.1007/s10457-025-01290-w>
- Dogra R, Pant KS, Bishist R, **Prakash P** and Kumar P. 2025. Impact of multipurpose farm trees in sub-temperate agro-ecosystems: benefits for soil, biomass, fodder, and climate resilience. *Agroforestry Systems* **99**:116. <https://doi.org/10.1007/s10457-025-01217-5>
- Bhatia AK, Pant K S, **Prakash P**, Prakash, Kumar MN, Saakshi and Kumari B. 2025. Exploring the Allelopathic impact of Wild Pomegranate leaf extracts in field crops establishment and early growth: study from Himalayas. *AMA, Agricultural Mechanization in Asia, Africa and Latin America*. **56**:06
- Sarvade S, Bhardwaj DR, Gupta B, Prakash P, Kumar D, Sharma P, et al. 2025. Assessing biomass production and carbon storage in agroforestry systems located at proximity gradients to Gobind Sagar Reservoir. *Indian Journal of Ecology* **52(5)**:1260–1267. <https://doi.org/10.55362/IJE/2025/4643>

### Awards & Recognitions

- **Merit Scholarship** during M.Sc. (Agroforestry) during 2009-2011.
- **DST INSPIRE Fellowship**, Department of Science and Technology (GOI) during PhD 2012-16.
- **Student of the Year Award** 2013 for outstanding contribution for undertaking welfare activities and strengthening of AIASA by All India Agricultural Students Association.2013

- **Young Scientist Award** on 18th All Indian agricultural Scientists & Farmer Congress on 20- 21 February 2016 at Allahabad, U.P. India.2016.
- **Best Poster Award**, XXII National Symposium on Climate Smart Agronomy for Resilient Production Systems and Livelihood Security, ICAR-Central Coastal Agricultural Research Institute, Goa (22–24 November 2023).
- **Eminent Scientist Award**, 13<sup>th</sup> International Conference on Agriculture, Horticulture, Forestry & Allied Sciences for sustainable Himalayan Ecosystem (ICAHFAS-2026) HFRI- Shimla ( 18 March 2026).
- **Dr. S. Chinnamani Award for Excellence in Agroforestry Extension (2025)**, awarded by the Indian Society of Agroforestry at the Central Agroforestry Research Institute, Jhansi, Uttar Pradesh.