

Dr Rohit Bishist

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On-going Research Projects

- All India Coordinated Research Project on Agroforestry, ICAR (Principal Investigator).
- Enhancing Farm Income Through Climate Resilient Subhash Palekar Natural Farming System in Horticulture Ecosystems funded by Department of Agriculture, Govt. of Himachal Pradesh (Co-PI).
- Development of fodder bank (silvipastoral model) for sustainable livelihood opportunities in the community land of Kotla-Panjola Panchayat in District Sirmour of Himachal Pradesh-India funded by Department of Science and Technology (Co-PI).

Important Research Publications

- Kumari B, Pant KS, **Bishist R**, Prakash P and Bhatia AK. 2025. Optimizing growth and yield: Nutrient source effects on Brassica campestris var. brown sarson under high density *Malus × domestica* Borkh. based agri-horticultural system in the Western Himalayas. *Agroforestry Systems*. 99:149. <https://doi.org/10.1007/s10457-025-01256-y>.
- Shubham, Shilpa, **Bishist R**, Sharma R and Sharma A. 2025. Profitability and disposal patterns of milk in the Mid-hills of Himachal Pradesh. *Indian Journal of Economics and Development*. 21(2): 394-401. <https://doi.org/10.35716/IJED-24330>.
- Dogra R, Pant KS, **Bishist R**, Prakash P and Kumar P. 2025. Impact of multipurpose farm trees in subtemperate agroecosystems: benefits for soil, biomass, fodder, and climate resilience. *Agroforestry Systems*. 99:116. <https://doi.org/10.1007/s10457-025-01217-5>.
- Safi M, **Bishist R**, Bhardwaj DR, Thakur CL, Prakash P, Gautam KL, Dogra R, Sharma H, Kishore K and Kengoo N. 2024. Influence of different nutrient sources on growth, yield and nutritive value of fodder maize. *Bangladesh Journal of Botany* 53(4): 923-929. DOI: <https://doi.org/10.3329/bjb.v53i4.77836>.
- Shubham, Sharma R, Sharma S, **Bishist R** and Shilpa. 2024. Socio-economic status and constraints faced by dairy farmers of Kangra District, Himachal Pradesh. *Indian Journal of Dairy Science* 77(2): 155-161. <https://doi.org/10.33785/IJDS.2024.v77i02.009>

- Sharma V, Bhardwaj DR, Kumar D, Sharma P, Verma SC and **Bishist R**. 2023 Defoliator attack (*Diorhabda lusca* maulik) on Kharik (*Celtis australis* L.): effect on nutritive value, phenology and biomass productivity. *Agroforestry Systems*. <https://doi.org/10.1007/s10457-023-00929-w>
- Singh G, Chauhan V, Thakur CL, Verma ML, **Bishist R**, Prakash P, Gautam KL, Sharma H, Dogra R, Kishore K and Kumar M 2023. Studies on natural regeneration, floristic composition, biomass, carbon density and soil properties along an altitudinal gradient in the north-western Himalayas, India. *Forest Ecology and Management* 548 (2023) 121391. <https://doi.org/10.1016/j.foreco.2023.121391>
- Sharma H, Pant KS, **Bishist R**, Gautam KL, Ludarmani, Dogra R, Kumar M and Kumar A. 2023. Estimation of biomass and carbon storage potential in agroforestry systems of north western Himalayas, India. *Catena* **225**: 107009. <https://doi.org/10.1016/j.catena.2023.107009>.
- **Bishist R**, Raina VS, Bhakat M, Lone SA, Mohanty TK, Sinha R and Kumar R. 2021. Effect of Cholesterol loaded cyclodextrin on cryosurvivability of buffalo spermatozoa *Buffalo Bulletin*. **40**: 115-121.
- **Bishist R**, Raina VS, Bhakat M, Mohanty TK, Lone SA and Sinha R. 2020. Effect of antioxidant additives on freezability of buffalo spermatozoa. *Buffalo Bulletin*. **39**: 337-344.

Awards & Recognitions

- Received ICAR JRF for MVSc programme at NDRI Karnal w.e.f. 2004 to 2006.
- Received NDRI Institutional Fellowship for PhD Programme w.e.f. 2006 to 2009.
- Received best poster award in 4th National conference of SVAHE on Pluralistic approaches for livestock development- an extension call” held at College of Veterinary and Animal Sciences CSKHPKV Palampur on May 6-8, 2022.
- Indian Society of Agroforestry Best paper award 2022 for the research paper on “Nutritional evaluation of fodder resources in Spiti valley of Himachal Pradesh”
- Attended International training on scientific modern dairy management at The University of Melbourne, Victoria, Australia w.e.f. March 9-29, 2023 under institutional development programme (IDP) ICAR NAHEP.