

**ICAR-IISWC : Ongoing Externally Funded Projects by IRC\_2024**

S.No	Externally Funded Projects	PI	Centre / Division	Duration		Funding Agency	Amount (Rs. in lakhs)
				Start	Completion		
1.	Identification and mass multiplication of superior germplasm of promising bamboo species for enhancing productivity of degraded land	Dr Rajesh Kaushal	Plant Science Division	2020-21	2024-25	Uttarakhand Bamboo and Fibre Development Board	50.00
2.	Upscaling sustainable technological solutions and replicable models for ensuring food and nutrition, livelihood and social security of Scheduled Tribes in selected Gram Panchayats of Koraput district, Odisha.	Dr Saubhagya Kumar Samal	Koraput	2020-21	2023-24	DST	74.27
3.	Partitioning of Evapotranspiration by Modelling of Water Budgeting and Assessment of CO <sub>2</sub> flux over Tea Plantation in Parts of Temperate Mountainous Ecosystem in Western Ghats, Tamil Nadu.	Dr P. Raja	Udhagamandalam	2021-22	2024-25	NRSC-ISRO, Hyderabad	70.00
4.	Study of Carbon Footprint in Agricultural Land Use System from the Temperate and Tropical Ecosystem Western Ghats under Climate Change Scenario.	Dr P. Raja	Udhagamandalam	2022-23	2024-25	DST	51.04
5.	Network project “Production systems, agribusiness and institutions” Component I: “Impact of agricultural Technology: Impact of watershed management in different agro-ecological regions.	Dr S.M. Vanitha	Udhagamandalam	2021-22	2024-25	ICAR – National Institute of Agricultural Economics and Policy Research (NIAP), New Delhi	15.00
6.	Soil Erosion Estimation based on Radio Tracer Technique and Soil Quality Assessment in Mountainous Landscape of North-West Himalaya.	Dr M. Sankar	SS&A Division, Dehradun	2021-22	2024-25	ISRO, IIRS, Dehradun	27.0

7.	Demonstration of Agriculture Drone technology in different region of India under Agri-Drone Project.	Dr M Sankar	SS&A, Dehradun	2022-23	2023-24	ICAR-ATARI-Ludhiana funded	37.08
8.	To study impact of foliar nano N application on soil C:N ratio and C mineralization and its effectiveness on crop productivity	Dr Trisha Roy	HRD&S Division	2022-23	2025-26	DST	41.09
9.	National Mission on Sustainable Himalayan Ecosystem Project (2nd Phase): Agriculture Inter-Institutional	Dr Gopal Kumar /Dr DV Singh	Soil Science & Agronomy, Dehradun	2022-23	2024-2025	DST (Nodal Institute: ICAR-Central agroforestry Research Institute)	73.23
10.	Evaluation of suitable microclimatic conditions for certain MAP's by qualitative and quantitative chemical analysis with special reference to secondary metabolites.	Dr Pankaj Panwar	Chandigarh	2022 - 2023	2024 - 2025	National Medicinal Plants Board, Ministry of AYUSH under R&D Prog., New Delhi	87.29
11.	Comprehensive Hydrologic Monitoring and Assessment for Science-Based Watershed Planning and Management in Selected Districts of Odisha Rejuvenating Watersheds for Agricultural Resilience through Innovative Development (REWARD).	Dr Ramajayam D.	Koraput	2022-23	2024-25	Directorate of Soil Conservation & Watershed Development (DSCWD), Agriculture and Farmers' Empowerment Department, Govt. of Odisha, Krushi Bhawan, Bhubaneswar (REWARD)	1146.00
12.	Promotion of Technologies for Quality Seed Production of Landraces of Paddy and Finger Millet in Koraput District, Odisha.	Dr D. Ramajayam	Koraput	2022-23	2025-26	DBT	20.8
13.	Demonstration cum training programme of seed species	Dr Jotirmayee	Koraput	2022-23	2025-26 (to be	Collaborative with ICAR-	60.82

	to improve the livelihood of Koraput district farmer Collaborative with ICAR-NRCSS, Ajmer NRMAIISWCCOL 202305900217	Lenka Dr Saswat K. Kar			continued)	NRCSS, Ajmer (Funding District administratio , Koraput (Odisha)	
14.	Developing farmer income through multi-tier moringa based agroforestry system by restoring the degraded lands. Externally Funded Project by NABARD	Dr Vibha Singhal	Plant Science Division, Dehradu n	2022-23	2025-26	NABARD	25.0
15.	Screening of tree species to be used as bioengineers for controlling soil erosion and slope stabilization under hilly ecosystem of north western Himalayas.	Dr Vibha Singhal	Plant Science Division, Dehradu n	2022-23	2024-25	Department of Science & Technology	31.17
16.	Farmer participatory technology application for sustainable resource management and livelihood security in North-West Himalayas.	Dr Bankey Bihari	HRD&S S, Dehradu n	2016-17	2023-24	ICAR Scheme; Externally Funded	96.50
17.	Iron and zinc biofortification of cereals and vegetables for enhancing micro nutrient bioavailability in soil plant system	Dr Sharmistha Pal	Chandig arh	2023-24	2025-26	DBT	20.1
18.	Agripreneurship for sustainable Agril. development	Dr Bankey Bihari	HRD&S S, Dehradu n	2023-24	2025-26	NASF, ICAR	26.30
19.	Establishment and evaluation of farm pond based agri-horti-forestry system in the vertisols of SAT region	Dr M.N. Ramesha	RC, Bellari	2023-24	2027-28	Collaborati ve Project with AICRPDA, ICAR- CRIDA, Hyderabad	60.00
20.	Enhancing food and water security in arid region through improved understanding of quantity, quality and management of blue, green and grey water.	Dr P.R. Ojasvi	Hydrolo gy & Engineer ing, Dehradu n	2018-19	2023-24	DST	85.0
21.	Development of Taluka scale precise crop yield prediction application for	Dr MJ Kaledonkar	RC, Vasad (as	2023-24	2024-25	NASF (Junagadh Agricultural	75.19117

	selected districts of Gujarat using remote sensing, AI and machine learning.		cooperating centre)			University, Junagadh, Gujarat (as Lead Centre) and Anand Agricultural University, Anand, Gujarat and ICAR-Indian Institute of Soil & Water Conservation Vasad, Research Centre, Gujarat	
22.	Study of Atmospheric and Soil Carbon Dioxide Fluxes in the Mountainous Ecosystem of Western and Eastern <i>Ghats</i> with reference to the Climate Change Impact Assessment ( <b>IInd Phase</b> )	Dr P Raja	RC, Koraput	2024-25	2028-29	National Remote Sensing Center, ISRO, Department of Space, GOI, Balanagar, Hyderabad-500037	50.0
23.	Demonstration of best practices for cultivating and managing commercial bamboo species in Himalayan foothills of Uttarakhand	Dr Rajesh Kaushal	Dehradun	2024-25	2026-27	Uttarakhand Bamboo and Fiber Development Board, Dehradun	10.00
24.	Effect of Natural farming practices on Runoff, Soil and Nutrient losses	Dr B. Krishna Rao	Bellari	2024-25	2026-27	<i>Rythu Sadhikara Samstha</i> (RySS), Government of Andhra Pradesh	150.27
25.	Climate resilient soil conservation and water harvesting structures in watershed development projects	Dr M. Madhu	Dehradun	2025-26	2026-27	WDC-PMKSY 2.0 (Department of Land Resources)	143.55

26.	Impact of climate change on water resources of Burhi Gandak Basin	Dr Ambrish Kumar Tiwari	Dehradun	2024-25	2026-27	<i>Research &amp; Development in Water Sector and Implementation of National Water Mission</i>	101.60
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