

**ANNEXURE-I**

**DETAIL OF RESEARCH PROJECTS SANCTIONED SINCE JANUARY 31, 2023 TO DATE**

Sr. No.	Project Title	Principal Investigator	Budget (Lakhs)	Funding Agency	Duration
<b>COLLEGE OF AGRICULTURE</b>					
<b>GENETICS AND PLANT BREEDING</b>					
1.	Development of anthracnose (pod blight) resistant genotypes through induced mutagenesis in soybean [ <i>Glycine max</i> (L.) Merrill]	Dr. Uttam Chand, Scientist, Department of Genetics and Plant Breeding	29.53	BRNS, BARC, Trombay, Mumbai	28.06.2024
<b>Agronomy</b>					
2.	Bio-efficacy and phytotoxicity evaluation of Glufosinate Ammonium 13.5% SL against weed complex of tea crop	Dr. Suresh Kumar, Professor (Agronomy)-cum Dean, P.G. Studies	5.70	M/S Rainbow Agrosciences, Mumbai	29.05.2023
3.	Studies on effect of nano DAP management on growth, yield, nutrient uptake, economics and soil health of rice ( <i>Oryza sativa</i> L.)-wheat ( <i>Triticum aestivum</i> L.) and soybean ( <i>Glycine max</i> L. Merr.)- wheat ( <i>Triticum aestivum</i> L.) cropping systems	Dr. Naveen Kumar, Principal Scientist and Head, Department of Agronomy	4.00	IFFCO India Ltd.	June, 2023
4.	Field Evaluation of Rapigro Liquid on Tea	Dr. Naveen Kumar, DEE-cum-Head, Department of Agronomy (Project Coordinator) and Dr. Sanjay Kaushal, SMS (Agronomy), Department of Tea	5.664	M/s Jivagro Limited, Mumbai	24.08.2023

		Husbandry and Technology (PI)			
5.	Efficacy of Florpyrauxifen-benzyl 2.5% EC for managing weeds in transplanted and wet direct seeded rice and of Florpyrauxifen-benzyl 20g/L+Cyhalofop-butyl 100g/L EC in wet direct seeded rice	Dr. Naveen Kumar, DEE-cum-Head, Department of Agronomy (Coordinator) Dr. Sandeep Manuja, Principal Scientist (PI)	12.508	Corteva Crop India Private Limited, Hyderabad	11.09.2023
6.	Pilot project for crop diversification	Dr. Sanjay Sharma, Principal Scientist	27.75	ICAR, Modipuram (Meerut)	December, 2023
7.	Studies on the efficacy of phosphorus based fertilizer on growth and yield of crops	Dr. Naveen Kumar, Head, Department of Agronomy and Director of Extension Education	13.20	M/S RRD Oil & Fats Private Limited, Village Gondpur Jaichand, Tehsil Haroli (Una)	January, 2024
8.	Efficacy evaluation of different bio-stimulants for enhancing productivity of rice in different agro-eco-situations of H.P.	Dr. Sandeep Manuja, Principal Scientist, Department of Agronomy	10.03	M/S/ Pushpa J Shah, Gujarat	March, 2024
9.	Evaluation of Glufosinate Ammonium 13.5% SL (15% w/v) on Tea crop	Dr. Naveen Kumar, HOD, Agronomy-cum-DEE, Project coordinator  Dr. Sanjay Kumar, Scientist (Agronomy), Department of Tea Husbandry & Technology, Principal Investigator	7.08	M/s JU Agri Sciences Pvt. Ltd., Noida (UP)	June, 2024

10.	Bio-efficacy and phytotoxicity evaluation of Saflufenacil 70% WG against mixed weed flora in tea	Dr. Sandeep Manuja, Principal Scientist, Department of Agronomy	6.00	M/S Rainbow Agrosiences Private Limited, Mumbai	17.07.2024
<b>Soil Science</b>					
11.	Upscaling the use potential of native agriculturally beneficial microbes through demonstration and capacity building in the Himalayas	Dr. N.K. Sankhyan, Professor and Head, Department of Soil Science	29.15	DBT, New Delhi	November, 2024
12.	Standardization of Nano DAP dose in rice-wheat cropping sequence in Himachal Pradesh	Dr. Raj Paul Sharma, Principal Scientist, Department of Soil Science	10.00	IFFCO, Shimla	November, 2024
<b>Plant Pathology</b>					
13.	Fungal root endophytes mediated management of root rot of pea under high and mid hill zones of Himachal Pradesh	Dr. Joginder Pal, Department of Plant Pathology	9.00	RKVY	10.09.2024
<b>Entomology</b>					
14.	Establishing Model Unit for Mass Production of Biocontrol Agents	Dr. Surjeet Kumar, Professor, Department of Entomology	25.00	RKVY, DoA HP	March, 2024
<b>Vegetable Science and Floriculture</b>					
15.	Dissemination of Zimikand, tardi, dregal and colocasia production and storage technologies amongst farmers of Himachal Pradesh	Dr. Ravinder Singh, Scientist, Department of Vegetable Science and Floriculture	9.50	RKVY	
<b>Agricultural Engineering</b>					
16.	Assessment of Farm Mechanization Status and Prospects of Custom Hiring in India	Dr. Radhan Gupta, Principal Scientist, Department of Agricultural Engineering	9.84	ICAR-CIAE, Bhopal	December, 2024

<b>Horticulture and Agroforestry</b>					
17.	Creation of facilities for modern nursery production unit for supply virus free quality planting materials of important sub-tropical fruits including blueberries	Dr. N.D. Negi, Professor	45.20	RKVY, DoA HP	March, 2024
<b>Seed Science and Technology</b>					
18.	Consortium Research Platform on Molecular Breeding	Dr. Viveka Katoch, Principal Vegetable Breeder, Department of Seed Science and Technology	23.50	ICAR, New Delhi	23.09.2024
<b>Organic Agriculture and Natural Farming</b>					
19.	Agroforestry Component of RKVY-CAFETARIA	Dr. Rameshwar Kumar, Principal Scientist, Department of Organic Agriculture and Natural Farming	22.72	RKVY	16.09.2024
<b>Agricultural Biotechnology</b>					
20.	Use and conservation of agrobiodiversity for increased agricultural sustainability, small holder well-being and resilience to climate change in India-Phase-II	Dr. Rajeev Rathour, Professor, Department of Agricultural Biotechnology	22.00	Biodiversity International and CIAT (ICAR-NBPGR, New Delhi)	24.05.2023
21.	Consortium Research Platform on Hybrid Technology (Rice) for Higher Productivity	Dr. Rajeev Rathour, Professor, Department of Agricultural Biotechnology	24.92	ICAR, New Delhi	23.09.2024
<b>COLLEGE OF VETERINARY AND ANIMAL SCIENCES</b>					
<b>Animal Nutrition</b>					
22.	Evaluation of Bypass Fat in Milch Animals	Dr. Arun Sharma, Assistant Professor, Department of Animal	5.00	RRD Oil & Fats Limited, Haroli (Una)	26.07.2023

		Nutrition			
<b>Animal Genetics and Breeding</b>					
23.	Unraveling Immunocompetence Status and Genetic Diversity in MHC region of Multifarious Endangered Chegu Goat of Temperate Himalayan Region	Dr. Rajesh Kumar, Assistant Professor, Department of Animal Genetics and Breeding	48.91	SERB (DST), New Delhi	February, 2023
<b>Veterinary Microbiology</b>					
24.	Rapid easy-to-use and cost effective detection of hemoprotezoan infection in bovine	Dr. Subhash Verma, Professor, Department of Veterinary Microbiology	3.30	M/S SHC Shine Biotech Pvt. Ltd., Faridabad	26.10.2023
<b>Veterinary Pathology</b>					
25.	Evaluation of preventive effect of medicinal plants of Lahaul & Spiti region against development of mammary tumours in rats	Dr. Rakesh Kumar, Assistant Professor, Department of Veterinary Pathology	5.10	HIMCOSTE, Shimla	20.12.2023
26.	Hepatoprotective effects of some phytogetic formulations in chicken model of fatty liver disease	Dr. Rakesh Kumar, Assistant Professor, Department of Veterinary Pathology	2.45	M/s Zenex Animal Health India Pvt. Limited Katha, Baddi, Distt. Solan	06.11.2024
<b>Veterinary Gynaecology &amp; Obstetrics</b>					
27.	Investigations on use of non-antibiotic alternatives for treatment of endometritis in cows	Dr. Pankaj Sood, Professor & Head, Department of Veterinary Gynaecology & Obstetrics	6.00	HIMCOSTE, Shimla	20.12.2023
<b>Veterinary Parasitology</b>					
28.	Evaluation of acaricidal and antimicrobial efficacy of Prime products from indigenous cows	Dr. Devina Sharma, Assistant Professor, Department of Veterinary	35.89	DST, New Delhi (PIC STRA)	Novemebr, 2024

		Parasitology			
<b>Livestock Farm Complex</b>					
29.	Establishment of artificial intelligence-based milking parlor in University Dairy Farm augmented Robotic Milking Machine equipped with Sensors”	Dr. Shivani Katoch, Professor & Head, Department of Livestock Farm Complex	38.00	Departemnt of Animal Husbandry, HP Govt.	13.12.2023
<b>Livestock Production Management</b>					
30.	Conservation-cum-propagation of Spiti Donkey and Spiti Horse breed of Himachal Pradesh	Dr. Shivani Katoch, Professor and Head, Department of Livestock Production Management	46.00	Deptt. Of AH 7 Dairying, GOI (NLM), New Delhi	March, 2024
<b>Veterinary Clinical Complex</b>					
31.	Efficacy assessment of oral uterine cleanser on pyometric canines <b>and</b> Efficacy assessment of combination of herbal ecbolic, heat inducer & mineral supplement in post-partum cattle	Dr. Ankit Kumar Ahuja, Asstt. Professor	2.09	M/S Ayurved Limited, Baddi	07.03.2023
32.	Effects of herbal preparation on semen quality, seminal oxidative status, steroid hormones and sperm production efficiency of goat bucks	Dr. Ankit Kumar Ahuja, Assistant Professor, Department of Veterinary Clinical Complex	1.79	M/s Ayurved Limited, Baddi	05.09.2024
33.	Semen characteristics, seminal oxidative status, reproductive hormones and sperm production efficiency of checken fed herbal supplements	Dr. Ankit Kumar Ahuja, Assistant Professor, Department of Veterinary Clinical Complex	1.93	M/s Zenex Animal Health India Pvt. Limited Katha, Baddi, Distt. Solan	05.11.2024
<b>Veterinary and AH Extension Education</b>					
34.	Low cost poultry housing interventions for	Dr. Devesh Thakur,	9.80	ICAR-IASRI, New	April, 2023

	SC farmers of District Kangra, Himachal Pradesh	Asstt. Professor		Delhi	
35.	Training for SC farmers in livestock/goat farming	Dr. Devesh Thakur, Assistant Professor, Department	2.97	ICAR-IASRI, New Delhi	May, 2023
36.	Capacity Building on climatic resilient Livestock Production Practices for Farmers of Himachal Pradesh	Dr. Devesh Thakur, Assistant Professor, Department of Veterianry & AH Extension Education	2.95	ICAR-IASRI, New Delhi	11.12.2023
37.	Improvising udder health by control of subclinical mastitis through NIF's indigenous herbal supplement	Dr. Devesh Thakur, Asstt. Professor, Deptt. of Vety. & Animal Husbandry Extension Education, DGCN, CoVAS	7.86	National Innovation Foundation- India, Gandhinagar	18.03.2024
38.	Innovative solutions for backyard poultry housing: Empowering SC farmers in Himachal Pradesh	Dr. Devesh Thakur, Assistant Professor, Department of Veterianry & AH Extension Education	3.46	ICAR-IASRI, New Delhi	30.03.2024
<b>Fisheries</b>					
39.	Evaluation of plant extract on the growth and immune-stimulant effect on common carp	Dr. Madhu Sharma, Assistant Professor, Department of Fisheries	5.00	Departemnt of Fisheries, HP Govt.	25.10.2023
40.	Ornamental fish rearing and breeding a new dimension to aquaculture entrepreneurship in Himachal Pradesh	Dr. Madhu Sharma, Assisnat Professor, Department of Fisheries	5.00	Deptt. of Fisheries, H.P.	Septemebr, 2024
<b>College of Basic Sciences</b>					
<b>Department of Microbiology</b>					
41.	Mining halophilic plant growth promoting bacteria from rock salt halophytes as	Dr. Abhishek Walia, Assistant Professor,	46.50	DST (SERB), New Delhi	12.09.2023

	potential bioinoculants for sustainable agriculture under salt stress	Department of Microbiology			
<b>Research Stations</b>					
<b>Rice and Wheat Research Centre, Malan</b>					
42.	Characterization and purification of Barley ( <i>Hordeum vulgare</i> L.) farmer varieties from high altitudes, dry and wet temperate zone of Himachal Pradesh”	Dr. Vijay Rana, Principal Scientist	3.52	PPV & FRA, New Delhi	11.12.2023
43.	Augmenting Irrigation Facilities Nucleus/Breeder Seed Production in Rice and Wheat Research Centre, Malan	Dr. A.D. Bindra, Scientist Incharge	7.00	RKVY, DoA HP	March, 2024