

LIST OF AICRP PROJECTS IN OPERATION DURING 2022-23 FUNDING BY ICAR

S.N	Name of Project	Code	Name of PC/PI	Department	Funding Agency	Date of Completion
1.	AICRP on MULLaRP	101	Dr. Ramesh Chandra	Soil Science	ICAR	Plan to Plan
2.	AICRP on Wheat & Barley	102	Dr. J.P. Jaiswal	Genetics & Plant Breeding	ICAR	Plan to Plan
3.	AICRP on Vegetable	103	Dr. Dharendra Singh	Vegetable Science	ICAR	Plan to Plan
4.	AICRP on Sugarcane	105	Dr. A.S. Jeena	Genetics & Plant Breeding	ICAR	Plan to Plan
5.	AICRP on STCR	106	Dr. Ajay Srivastava	Soil Science	ICAR	Plan to Plan
6.	AICRP on Potato	107	Dr. Shailbala Sharma	Plant Pathology	ICAR	Plan to Plan
7.	AICRP on Rice	108	Dr. I.D. Pandey	Genetics & Plant Breeding	ICAR	Plan to Plan
8.	AICRP on Agroforestry	109	Dr. Ashutosh Dubey	Biochemistry	ICAR	Plan to Plan
9.	AICRP on Fruits	110	Dr. A.K. Singh	Horticulture	ICAR	Plan to Plan
10.	AICRP on Biological Control	111	Dr. Roopali Sharma	Plant Pathology	ICAR	Plan to Plan
11.	AICRP on Honey Bee	112	Dr. Pramod Mall	Entomology	ICAR	Plan to Plan
12.	AICRP on Agronomic Research (Integrated Farming Systems)	118	Dr. Rohitashav Singh	Agronomy	ICAR	Plan to Plan
13.	AICRP on EAAI	119	Dr. R.N. Pateriya	FM&PE Technology	ICAR	Plan to Plan

14.	AICRP on Utilization of Animal Energy	120	Dr. Jayant Singh	FM&PE Technology	ICAR	Plan to Plan
15.	AICRP on Home Science	121	Dr. Deepa Vinay	Home Science	ICAR	Plan to Plan
16.	AICRP on Long Term Fertilizer	122	Dr. Shri Ram	Soil Science	ICAR	Plan to Plan
17.	AICRP on Mushroom	123	Dr. S.K. Mishra	Plant Pathology	ICAR	Plan to Plan
18.	AICRP on Maize	124	Dr. R.P. Singh	Plant Pathology	ICAR	Plan to Plan
19.	AICRP on Rapeseed Mustard	126	Dr. A.K. Tewari	Plant Pathology	ICAR	Plan to Plan
20.	AICRP on Seed Technology Research	127	Dr. Omvati Verma	Agronomy	ICAR	Plan to Plan
21.	AICRP on Sorghum	128	Dr. Yogendra Singh	Plant Pathology	ICAR	Plan to Plan
22.	AICRP on Soybean	129	Dr. K.P. Singh	Plant Pathology	ICAR	Plan to Plan
23.	AICRP on Irrigation & Water Management	130	Dr. Yogendra Kumar	Irrigation & W. Mgt.	ICAR	Plan to Plan
24.	AICRP on Weed Control	131	Dr. Tej Pratap	Agronomy	ICAR	Plan to Plan
25.	AICRP on Micro-Secondary Nutrient	132	Dr. S.P. Pachauri	Soil Science	ICAR	Plan to Plan
26.	AICRP on Forage Crops	133	Dr. Mahindra Singh Pal	Agronomy	ICAR	Plan to Plan
27.	AICRP on Chick Pea	134	Dr. Ramesh Chandra	Soil Science	ICAR	Plan to Plan
28.	AICRP on Pigeon Pea	135	Dr. Ramesh Chandra	Soil Science	ICAR	Plan to Plan
29.	AICRP on Floriculture	136	Dr. Ajit Kumar	Floriculture	ICAR	Plan to Plan
30.	AICRP on Spices	168	Dr. J.P. Singh	Vegetable Science	ICAR	Plan to Plan

31.	AICRP on project on cattle-Sahiwal (Data Recording)	173	Dr. Shive Kumar	LPM, Vateriaary	ICAR	Plan to Plan
32.	AICRP on project on cattle-Frieswal Field Progeny Unit	174	Dr. C. B. Singh	Animal Genetics Breeding	ICAR	Plan to Plan
33.	AICRP on Goat Improvement	189	Dr. R.K. Sharma	LPM, Vateriaary	ICAR	Plan to Plan
34.	All India Coordinated Research Project on Nematodes	194	Dr. Satya Kumar	Plant Pathology	ICAR	Plan to Plan
35.	AICRP on Breeder Seed Production	620	JD SPC	SPC	ICAR	Plan to Plan

LIST OF NETWORK PROJECTS IN OPERATION DURING 2022-23 FUNDING BY ICAR

SN	Name of Project	Code. No.	Name of PC/PI	Department	Funding Agency	Date of Completion
1.	Network Project on Organic Farming	143	Dr. Dhananjay K. Singh	Agronomy	ICAR	Plan to Plan
2.	Monitoring of drug residues and environmental pollutants	177	Dr. A.H. Ahmad	Veterinary Pharm. & Toxicology	ICAR	Plan to Plan
3.	Outreach Programme on Ethno Veterinary medicine	180	Dr. S.K. Shukla	Veterinary Medicine	ICAR	Plan to Plan
4.	Outreach Programme on Zoonotic Diseases	181	Dr. A.K. Upadhayay	Veterinary Public Health	ICAR	Plan to Plan
5.	DSR Scheme (TSP)	185	Joint Director, SPC	Seed Production Centre (SPC)	ICAR	Plan to Plan
6.	All India Network Project on Soil Biodiversity- Biofertilizer	190	Dr. K.P. Raverkar	Soil Science	ICAR	Plan to Plan
7.	All India Network Project on Pesticide Residues	195	Dr. Anjana Srivastava	Chemistry	ICAR	Plan to Plan

LIST OF *AD-HOC* RESEARCH PROJECTS IN OPERATION DURING 2022-23 FINANCED BY ICAR

S.N	Name of Project	Code No.	Name of PI	Department	Funding Agency	Date of Start	Date of Completion
1.	FLD on Oil Seed	347	Dr. A.K. Tiwari	Plant Pathology	ICAR	22-10-1990	Year to year
2.	Front line Demonstration on Soybean	348	Dr. K.P. Singh	Plant Pathology	ICAR	01-04-1991	Year to year
3.	Front line Demonstration on Pulses	349	Dr. Ramesh Chandra	Soil Science	ICAR	01-04-1999	Year to year
4.	Front line Demonstration on Wheat	354	Dr. J.P. Jaishwal	Genetics & Plant Breeding	ICAR	01-04-1993	Year to year
5.	FLD on Sorghum	365	Dr. Yogendra Singh	Plant Pathology	ICAR	07-06-1995	Year to year
6.	Testing fee of Soybean	374	Dr. K.P. Singh	Plant Pathology	ICAR	01-04-2001	Year to year
7.	Front line Demonstration on Sunflower	384	Dr. M.S. Pal	Agronomy	ICAR	01-04-2001	Year to year
8.	Front line demonstration on oilseed (Modipuram)	419	Dr. Dinesh Kumar Singh	Agronomy	ICAR	01-04-2003	Year to year
9.	Testing fee for Agronomy trials	428	Dr. P.C. Pandey	Genetics & Plant Breeding	ICAR	14-10-2004	Year to year
10.	Front line Demonstration on Chick pea	442	Dr. Ramesh Chandra	Soil Science	ICAR	01-04-1999	Year to year
11.	Testing fee for cooperating centers pertains to hybrid rice trials	466	Dr. I.D. Pandey	Genetics & Plant Breeding	ICAR	01-04-2006	Year to year
12.	Need based contingency for conducting coordinated trials on small millets	482	Dr. P.K. Pandey	Genetics & Plant Breeding	ICAR	01-04-2006	Year to year
13.	AICW & BIP FLDs to the various centres of the University	3004	Dr. Anjuli Agarwal	ARS, Majhera	ICAR	06-11-2008	Year to year
14.	Need based contingency for conducting coordinating trials on small millets (Majhera)	3020	Dr. Anjuli Agarwal	ARS, Majhera	ICAR	01-04-2009	Year to year
15.	Contingency grant for conducting trial on plant breeding under AICRP on Soybean	3031	Dr. Anjuli Agarwal	ARS, Majhera	ICAR	01-04-2010	Year to year

16.	Trial on Arid Legumes.	3052	Dr. M.K. Nautiyal	G.Pl. Breeding	ICAR	30-06-2014	31-03-2023
17.	Development of serological and molecular diagnostic kits for seed health assessment of multiple seed borne pathogens infecting tomato seed crop	3082	Dr. Karuna Vishnuavat	Plant Pathology	ICAR	20-11-2020	19-11-2023
18.	Development of an Upgraded Pyrolysis Process for conversion of Pine Needle Pyrolysis Oil into Liquid Biofuel	3083	Dr. T.K. Bhattacharya	FM&PE	ICAR	20-01-2021	21-01-2024
19.	Exploring medicinal and immunomodulatory properties of the urine of indigenous Badri cattle.	3085	Dr. Ramswaroop Singh Chauhan	Veterinary Pathology	ICAR-NASF	09-06-2022	08-06-2025

LIST OF AD-HOC RESEARCH PROJECTs IN OPERATION DURING 2022-23 FINANCED BY UTTARAKHAND GOVERNMENT

SN	Name of Project	Code	Name of PI	Department	Funding Agency	Budget (in Rs.)	Date of Start	Date of Completion
1.	Two line hybrid rice to improve the economy of hill agriculture	1261	Dr. M.K. Nautiyal	G. & Pl. Breeding	Govt. of Uttarakhand	26,04,000	02.05.2018	01.05.2026
2.	Product development of bionoculant for enhancing productivity under field conditions of Uttarakhand	1267	Dr. A.K. Sharma	Biological Science	Uttarakhand Council of Biotechnology	10,41,900	20.05.2019	19.05.2022
3.	Studies on seed quality traits and root stock production of kiwi plant (<i>Actinida deliciosa c.v. Haward</i>).	1270	Dr. D.K. Singh	Vegetable Science	Uttarakhand Council of Biotechnology	21,45,000	10-03-2021	09-03-2024
4.	Collection, characterization and conservation of vegetable crops biodiversity of Uttarakhand.	1271	Dr. D.K. Singh	Vegetable Science	Uttarakhand Council of Biotechnology	21,45,000	10-03-2021	09-03-2024
5.	Development of low cost photobioreactor for waste treatment using microalgae	1272	Dr. A.K. Sharma	Biological Science	Uttarakhand State Council for Science & Technology, Dehradun	6,00,800	19-04-2021	18-04-2023
6.	Biochemical screening of buckwheat (<i>Fagopyrum esculentum</i>) genotypes of Uttarakhand for elite selection.	1274	Dr. Kuldip Chandra Verma	Biochemistry	Uttarakhand State Council for Science & Technology, Dehradun	8,43,800	26-02-2022	25-02-2024
7.	Biochemical screening of buckwheat (<i>Fagopyrum esculentum</i>) genotypes of Uttarakhand for elite selection.	1275	Dr. K.P.S. Kushwaha	Plant Pathology	Uttarakhand Council of Biotechnology	13,99,000	29-03-2022	31-03-2025
8.	Evaluation of effectiveness of Zero Budget Naturla Farming inputs and prevailing organic farming practices in in Rice-Wheat cropping systems in Tarai Region of Uttarakhand.	1276	Dr. S.K. Yadav	Agronomy	Uttarakhand Council of Biotechnology	8,10,000	06-05-2022	05-05-2025
9.	In-vitro Propagation, elicitation and ex-situ conservation of <i>arnebia benthamii</i> (wall ex G.Don) I.M. Johnst. a high	1277	Dr. Preeti Chaturvedi	Biological Science	Uttarakhand Council of Biotechnology	9,07,000	01.03.2022	31-03-2025

	valued endangered medicinal plant of Uttarakhand Himalaya.							
10.	Development of short duration cowpea varieties to enhance the nutritional status of hill agriculture.	1278	Dr. M.K. Nautiyal	Genetics & Plant Breeding	Uttarakhand Council of Biotechnology	12,07,000	07-04-2022	06-04-2025
11.	Dissemination of Production Technology of Mushroom among Farmers of Selected Villages of Bhimtal block near Patwadangar, Distt. Nainita, Uttarakhand	1279	Dr. KPS Kushwaha	Plant Pathology	Uttarakhand Council of Biotechnology	20,36,000	06-05-2022	05-05-2025
12.	Molecular characterization and phylogenetic studies of white fly (<i>Bamisia tabaci</i> and <i>Trialeurodes spp.</i>) and its natural enemies together with bio-intensive pest management of vegetable crops in Uttarakhand.	1280	Dr. R. M. Srivastava	Entomology	Uttarakhand Council of Biotechnology	8,50,000	06-05-2022	05-05-2025
13.	To develop premier quality Basmati varieties with high Scent	1281	Dr. M.K. Nautiyal	Genetics & Plant Breeding	Uttarakhand Council of Biotechnology	16,90,000	06-05-2022	05-05-2027
14.	Meta-analysis of explicit evaluation of the correlation between Yoga and Stress Management Parameters	1282	Dr. Alaknanda Ashok	Electrical Engineering	Uttarakhand State Council for Science & Technology, Dehradun	6,13,400	19-07-2022	18-07-2024
15.	Evaluation of herbal immunomodulators as feed additive for improved performance in broiler.	1283	Dr. Sonu Ambwani	Molecular Biology & Genetic Engineering	Uttarakhand Council of Biotechnology	12,13,000	06-05-2022	05-05-2025

List of ADHOC Research Projects in operation during 2022-23 financed by Govt. of India, DBT, DST, UGC and other Agencies

S N	Name of Project	Cod e	Name of P.I	Department	Funding Agency	Total Budget (in Rs.)	Date of Start	Date of Completio n
1.	Gramin Krishi Mausam Sewa (GKMS)	717	Dr. RK Sharma	Agrometeorology	Ministry of Earth Science, Indian Meteorological Department	Year to Year	1992	Continued
2.	Use of plastics in Agril. (min, of Agric. Precision Farming Development Centre. PFDC,	741	Dr. P.K. Singh	Irrigation & Drainage Engineering	Govt. of India Ministry of Agriculture	Year to Year	1987-88	Continued
3.	DUS Test Project	976	Dr. PKPandey	Genetics & Plant Breeding	Ministry of Agriculture, Government of India	Year to Year	2012-13	Continued
4.	Forecasting Agricultural output using Space, Agrometeorology and Land based, observation (FASAL)	1181	Dr. A.S. Nain	Agrometeorology	Ministry of Earth Science, Indian Meteorological Department	Year to Year	15-01-2011	Continued
5.	Development of heat tolerant, high yielding and climate resilient wheat cultivars by utilizing genomics, molecular and physiological information and resources	7072	Dr. JP Jaiswal	Genetics & Plant Breeding	USAID and DBT/BIRAC	1,03,90,000.00	02-05-2017	Continued
6.	Pyramiding of Rust Resistance Genes into High Grain Quality Wheat Lines Development Through Marker-assisted Selection	7088	Dr. JP Jaiswal	Genetics & Plant Breeding	Ministry of Science & Tech., Govt. of India	27,29,600.00	02-05-2018	Continued
7.	Development of Liquid Crystal based soft Magnetolectrics for Multifunctional Optical Devices	7091	Dr. Pooja Goel	Physics	DBT	85,00,000.00	22-06-2018	21-06-2023
8.	Production of Growing Medium of Button Mushroom Through New Invented Semi-Automatic Portable	7094	Dr. S.K. Mishra	Mushroom Research & Training Centre	National Mission on Himalayan Studies (NMHS), G.B. Pant National Institute of	39,73,000.00	19-03-2019	09-10-2022

	Composting Structure at the Door of Beneficiaries (Women ST/SC Community People) of Uttarakhand Hills				Himalayan Environment (NIHE), Almora			
9.	Reclamation of Wastewater for Water Reuse and Water Security through Sustainable Water Resource Management	7095	Dr. R.K. Srivastava	Environment Science	Ministry of Earth Science	32,96,600.00	03-04-2019	31-03-2023
10.	High resolution QTL mapping for Iron (Fe), Zinc (Zn), grain protein and phytate content and their introgression in high yielding wheat cultivars	7096	Dr. Sundip Kumar	MBGE	Ministry of Science & Tech., Govt. of India	35,05,800.00	24-04-2019	17-12-2022
11.	Low Cost-Renewable Energy Driven (LC-RED) Water Treatment Solutions	8000	Dr. R.K. Srivastava	Environment Science	Ministry of Science & Tech., Govt. of India	69,77,060.00	24-04-2019	23-04-2024
12.	Innovative algae platform for industrial waste waters valorization	8001	Dr. A.K. Sharma	Biological Science	Ministry of Science & Tech., Govt. of India	66,36,720.00	20-05-2019	19-05-2022
13.	North-Western Himalayan Bioinformatics Grid	8002	Dr. S.P. Singh	Veterinary Pharmacology	Ministry of Science & Tech., Govt. of India	99,78,880.00	30-05-2019	29-05-2022
14.	Bio-mimetic and phyto-technologies Designed for low-cost purification and recycling of water	8003	Dr. R.K. Srivastava	Environment Science	Ministry of Science & Tech., Govt. of India	1,05,75,000.00	29-07-2019	28-07-2024
15.	Characterization of Kidney Bean (Rajmah) Rhizosphere Microbiome from higher altitude of Indian Central Himalaya	8004	Dr. Ajay Veer Singh	Microbiology	Ministry of Environment Forest & Climate Change, Govt. of India, NMSH-PMU	2,22,00,980.00	30-09-2019	31-03-2023
16.	Impact of Nano fertilizers, biofertilizers and sea weed extracts on crop yields and soil health for two years.	8007	Dr. Ramesh Chandra	Soil Science	IFFCO	16,80,000.00	27-12-2019	31-12-2022

17	White paper on Supply and Value Chain of major Food Grains, Spices, Fruits and Cereals in Uttarakhand	8009	Dr. A.S. Nain	Agrometeorology	NABCONS	5,86,500.00	19-03-2020	Continued
18	Preparation of ecological and fishery profiles of Kumaon Lakes	8010	Dr. Ashutosh Mishra	Aquatic Environment Management	Irrigation Division, Nainital	12,40,000.00	20-05-2020	Continued
19	Synthesis, Characterization and testing of immune-potential of nano-particles adjuvanted oral vaccine of Salmonella Typhimurium in poultry.	8011	Dr. Yashpal Singh, Young Scientist	Veterinary Physiology & Biochemistry	DBT	44,03,916.00	04-07-2020	03-07-2023
20	Impact of Nano fertilizers on crop yields of rice, maize and soil health.	8012	Dr. Navneet Pareek	Soil Science	IFFCO	15,36,000.00	20-07-2020	31-01-2023
21	Exploring the possibilities of Introduction and integration of nettle-based liquid fermented organic Vrikshayurveda concoction on various selected crops of district Almora.	8013	Dr. Sunita T. Pandey	Agronomy	NMHS, Ministry of Environment Forest & Climate Change, Government of India	32,27,000.00	27-07-2020	26-07-2023
22	Expansion of Activities of Biotech KISAN hub in two aspiration districts (Haridwar and Udham Singh Nagar) of Uttarakhand.	8014	Dr. Dinesh Kumar Singh	Vegetable Science	DBT	4,00,000.00	10-09-2020	09-09-2022
23	Resistance In Season Quick (RISQ) Test for detecting herbicide resistance in <i>Phalaris minor</i>	8015	Dr. Rohitashav Singh	Agronomy	M/s Syngenta India Limited	7,20,000.00	20-11-2020	31-08-2022
24	Characterization of chickpea germplasm resource to accelerate genomics-assisted crop improvement.	8016	Dr. R.K. Panwar	Genetics & Plant Breeding	DBT	71,45,720.00	10-02-2021	09-02-2026
25	Halting the release of antimicrobial resistance and pathogens into the	8017	Dr. Awanish Kumar Singh	Animal Nutrition, Pantnagar, KVK Dhakrani	Science & Engineering Research Board	22,99,000.00	16-03-2021	15.03.2024

	environment from the Indian Dairy (AMRIT)				(SERB), New Delhi			
26	“Creation of Seed Infrastructure Facilities” at Pantnagar	8018	Dr. A.S. Nain	Director Research	Department of Agriculture, Cooperation & Farmer's Welfare (Seed Division-VI)	3,41,25,000.00	12-06-2021	11-06-2022
27	FIST (Fund for improvement of S&T)	8019	Dr. Sumit Chaturvedi	Associate Professor, Agronomy	Department of Science & Technology, Ministry of Science & Technology, Government of India	49,00,000.00	07-06-2021	06-06-2026
28	Establishment of Common Incubation Facility at GB Pant University of Agriculture and Technology Pantnagar, Udham Singh Nagar, Uttarakhand of processing of fruits, frozen vegetables & dessert, spices and extruded products.	8020	Dr. S.K. Sharma	Food Science & Technology, College of Agriculture	Ggovernment of India, Ministry of Food Processing Industries, Panchsheel Bhawan, August Kranti Marg, New Delhi	2,72,12,000.00	12-06-2021	11-06-2022
29	Water Energy Food Nexus (WEFN) through solar green house based hydroponic solution with android mobile application of vegetable market for rural farmer and urban users.	8021	Dr. R.K. Srivastava	Environment Science	UCOST/DST New Delhi	5,20,000.00	14-07-2021	13-07-2023
30	Deployment of steel slag-based cost effective eco-friendly fertilizers for sustainable agriculture and inclusive growth.	8022	Dr. Rajeew Kumar	Agronomy	Ministry of Steel, Government of India	61,60,300.00	07-09-2021	06-09-2024
31	Establishment of field equipment for validation of Evapotranspiration and Soil Moisture products under National Hydrology Project (NHP)	8023	Dr. P.K. Singh	Irrigation & Drainage Engineering	National Remote Sensing Centre, ISRO, Deptt. of Space, Hyderabad	21,68,164.00	16-08-2021	31-12-2024

32	Development of an Activated Bio-char filter for tractor engine emission control system.	8024	Dr. R.N. Pateriya (Mentor)	FM&PE	DST	10,78,920.00	06-10-2021	05-10-2023
33	Undertaking Capacity Building Programme of Prime Ministers Formalization of Micro Food Enterprises (PMFME) Scheme as State level Technical Institution (SLTI) for Uttarakhand	8025	Dr. S.K. Sharma, Professor & Head,	Food Science & Technology, College of Agriculture	Horticulture and Food Processing Department Uttarakhand/ Government of India, Ministry of Food Processing Industry	18,50,286.00	29-01-2022	31-03-2025
34	Capacity building for women in dairy farming secto of Uttarakahnd.	8026	Dr. S.C. Tripathi	Veterinary Extension Education	National Commission for Women, Govt. of India, New Delhi	34,40,000.00	29-03-2022	28-03-2023
35	Developing a Novel System for Monitoring and Management of Crop Diseases using AI (Artificial Intelligence)/ ML (Machine Learning) Techniques (MoM-CAT)	8027	Dr. A.S. Nain	Agrometeorology	Govt. of India, Deptt. of Space, Indian Institute of Remote Sensing (IIRS), ISRO, Dehradun	42,71,100.00	20-04-2022	19-04-2025
36	Setting-up honey bee diseases diagnostic and treatment laboratory	8028	Dr. Renu Pandey	Entomology	National Bee Board	26,19,000.00	25-03-2022	24-03-2025
37	Bee-flora plantation at IBDC Pantnagar for promotion of beekeeping and enhancing biodiversity in Himalayan Region, Uttarakhand	8029	Dr. Pramod Mall	Entomology	National Bee Board	2,59,000.00	25-03-2022	24-03-2025
38	Setting up of mini-Laboratory at IBDC Pantnagar for Testing and certification of Bee-products in Himalayan Region.	8030	Dr. Pramod Mall	Entomology	National Bee Board	87,98,000.00	25-03-2022	24-03-2025
39	Translating the native fish germ plasm for socio-economic benefits through aquaculture and fisheries in	8031	Dr. Ashutosh Mishra	Aquatic Environment Management	Government of India, Ministry of Science & Technology,	64,91,280.00	25-03-2022	24-03-2025

	Himalayan region.				Department of Biotechnology			
40	Technological intervention for production and post-harvest processing of vegetable toward enhancing socio-economic condition of farmers in Himalayan region of Uttarakhand.	8032	Dr. Dinesh Kumar Singh	Vegetable Science	Government of India, Ministry of Science & Technology, Department of Biotechnology	46,45,280.00	22-03-2022	21-03-2025
41	Export Standards, Guidelines and Promotion for Natural Agriculture Products.	8033	Dr. Sunita T. Pandey & Dr. R.S. Chauhan	Agronomy and Veterinary Pathology	Agricultural and Processed Food Products Export Development Authority (APEDA), Government of India	4,32,000.00	27-04-2022	26-04-2023
42	Women Empowerment through Beekeeping Entrepreneurship Development for sustained income generation.	8034	Dr. Pramod Mall	Entomology	FMC India Private Limited	1,04,46,500.00	28-04-2022	27-04-2025
43	National Seminar on Awareness on Beekeeping	8035	Dr. Pramod Mall	Entomology	National Bee Board	5,18,000.00	29-04-2022	28-04-2023
44	Mango Day: National Seminar on Technology Awareness	8036	Dr. A.K. Singh	Horticulture	M/s Dhanuka Agritech Limited	47,500.00	16-08-2022	16-08-2022

LIST OF ADHOC RESEARCH PROJECTS IN OPERATION DURING 2022-2023 FINANCED BY *INTERNATIONAL AGENCIES*

S.N	Name of Project	Code. No.	Name of PI	Department	Funding Agency	Total Budget (in Rs.)	Date of Start	Date of Completion
1	Stress tolerant rice for pear farmers in Africa and South Asia (STRASA) Phase 3	1443	Dr. H.N. Singh	Agricultural Economics	IRRI, Philippines	1,59,900	12-07-2011	30-06-2023
2	IRRI-India Genetic Gain Project	8005	Dr. Indra Deo Pandey	Genetics & Plant Breeding	IRRI, Philippines	2,00,000	2017	31-12-2022
3	SUPER Farm India- Sustainable farming through effective pollination and pest regulation in India.	8006	Dr. Pramod Mall	Entomology	University of Reading GCRF Strategic Fund (UK)	9,97,700	06-12-2019	31-03-2023
4	IRRI- Global Rice Array Project	8008	Dr. Indra Deo Pandey	Genetics & Plant Breeding	IRRI, Philippines	2,13,902	2017	31-12-2022

List of University Funded Projects under Hill Research Promotion Fund in operating during 2022-23

SN	Name of Project	Code No.	Name of PI	Department	Funding Agency	Budget (in Rs.)	Date of Start	Date of Completion
1	Phytochemical characterization of endangered Himalayan medicinal plants <i>Gentiana Kurroo</i> & <i>Nardostachys jatamansi</i> for their therapeutic potential	6001	Dr. Vandana A. Kuma	Biochemistry	HRPF	4,97,000	23-04-2019	22-04-2022
2	<i>In vitro</i> conservation and elicitation of phytochemical profile in <i>Rheum austral</i> D. Don and <i>Polygonatum verticillatum</i> (Linn.) Allioni, high value threatened medicinal plants of Himalaya	6002	Dr. Preeti Chaturvedi	Biological Science	HRPF	4,97,000	11-05-2019	10-05-2022
3	Chemical Processing of Natural Fibres available in Uttarakhand for Product Development	6003	Dr. Manisha Gahlot	Clothing & Textiles	HRPF	5,00,000	06-08-2019	05-08-2022
4	Evaluation of Pearl Millet, Finger Millet and Barnyard Millet at different locations in Uttarakhand and Establishment of Hill Technology Park at Pantnagar	6004	Dr. Ajay Kumar	Agronomy	HRPF	5,00,000	14-08-2019	13-08-2022
5	Collection and identification of Amaranthus (<i>Amaranthus caudatus</i> L.) genotypes from Uttarakhand hills for improved quality parameters.	6005	Dr. Kuldip Chandra Verma	Biochemistry	HRPF	5,00,000	18-09-2019	17-09-2022
6	Quality seed production of potato and ginger using micropropagation for hill region of Uttarakhand.	6006	Dr. Anjali Agrawal	ARS, Majhera	HRPF	5,00,000	30-09-2019	29-09-2022
7	Development of therapeutic foods from hill produce of Uttarakhand	6008	Dr. Anuradha Dutta	Foods & Nutrition	HRPF	5,00,000	05-03-2020	04-03-2023
8	Assessment of the efficacy of the Himalayan herb, <i>Urtica dioica</i> on growth and survival of cultivated carp fish.	6009	Dr. R.S. Chauhan	Aquaculture	HRPF	4,98,000	21-09-2020	20-09-2022
9	To unravel the potential of biocontrol agents recovered from undermined	6010	Dr. Anita Sharma	Microbiology	HRPF	4,90,000	21-09-2020	20-09-2022

	rhizosphere of barnyard millet: targeting diseases in solanaceous crops.							
10	Biofortification of hill adapted crop Indian Barnyard Millet 'Echinochloafrumentacea' (Himalayan Jhangora) for nutritional and healthcare through computational and NGS approaches.	6011	Dr. Sundip Kumar	Molecular Biology & Genetics Engineering	HRPF	2,52,000	21-09-2020	30-06-2022
11	Evaluation of neutralizing antibody response in Pantja goats vaccinated against Peste des petis ruminants (PPR)	6012	Dr. Anuj Tewari	Veterinary Microbiology	HRPF	50,000	24-05-2022	23-05-2023