

### Ongoing Research Projects Sponsored by the Government Agencies

S. N	Department	Title of the project	PI/Co-PI	Funding Agency	Type	Year of Award	Fund (in Lakhs)	Duration (in Year)
1	Microbiology	High quality essential oil isolation from Uttarakhand plants, screening of their biological applications and product development	Dr. Prabhakar Semwal (Co-PI)	Uttarakhand Council for Biotechnology	Govt.	2023	6.55	02
2	Biotechnology	Promoting Himalayan Tea cultivation through skill enhancement for livelihood support and land rehabilitation in hilly regions.	PI-Dr Jigisha Anand Co-PI-Prof-Nishant Rai, Prof Anita Pandey	National Institute of Himalayan Environment (An autonomous Institute of Ministry of Environment, Forest and Climate Change.	Govt.	2023	11.20	03
3	Biotechnology	Bioprospecting high altitude small millets for capacity building of hill people	Dr. Neha Pandey & Mr. Aditya Joshi	MoEF & CC	Govt.	2022	10	03
4	Food Science & Technology	Sustainable capturing of flue gases by an integrated phototrophic-heterotrophic microbial consortium coupled with bioelectricity and biofuel production	Dr. Vinod Kumar	DST	Govt.	2022	50	02

5	Biotechnology	Development of conservation strategies for effective utilization of a high value medicinal herb <i>Jurinea macrocephala</i> in western Himalaya	Dr. Jahanvi Mishra Rawat	DST- SERB	Govt.	2022	20	03
6	Food Science & Technology	Assessment of physicochemical and nutritional properties of under exploited edible wild fruits of Uttarakhand and their value addition	PI: Dr. Bindu Naik; CO-PI: Dr. Sanjay Kumar	UCOST	Govt.	2022	8.08	02
7	Civil Engg.	Appraisal of lake water dynamics and security through high resolution satellite imageries	Dr. Kishan Singh Rawat and Dr. Sanjeev Kumar	ISRO	Govt.	2022	25.34	03
8	Biotechnology	Assessment of nutraceuticals and chemical composition of the Himalayan Spice " <i>Allium stracheyi</i> " and their micropropagation for sustainable utilization	Dr. Prabhakar Semwal (PI) & Dr. Vijay Laxmi Trivedi, HNB Garhwal (Co-PI), Dr. Ashish Thapliyal (Coordinator)	USBD	Govt.	2022	9.6	02

8	Food Science & Technology	J.C. Bose Fellowship Grant	Prof. Narpinder Singh	SERB	Govt.	2021	95.00	05
9	Food Science & Technology	Assessment of old and new varieties for genetic variability in quality traits and their relationships with pizza, extruded and baked products making	Prof. Narpinder Singh	CSIR	Govt.	2021	16.92	03
10	Civil Engg.	Modelling of aquatic environment quality of the high altitude water bodies using remote sensing data and ground information	Dr. Kishan Singh Rawat and Dr. Sanjeev Kumar	UCB	Govt.	2021	12.8	03
11	Biotechnology	Genetic and Nutrient composition diversity analysis in Bhat cultivars from Garhwa region of Uttarakhand	Dr. Manu Pant	UCB	Govt.	2022	7.8	02
12	Chemistry	Development of Nano Silica based antireflective dust repellent coating for solar panel top glass and its performance evaluation on rooftop installation	Dr. Abhilasha Mishra	DST (Technology Mission division)	Govt.	2021	71.58	02

13	Environmental Science.	Treatment of Septage using lab and pilot-scale Hybrid Constructed Wetland system in Dehradun, Uttarakhand	Dr. Pradeep Sharma (PI) and Dr. Anju Rani (Co-PI)	DBT	Govt.	2021	42.51	03
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