



Research Contingency

Details of Research Projects Concluded

Sr. No.	Project Name	Research Team	Project Duration	Total Budget (Rs. In lacs)	Funding Agency
1.	Biofortification of wheat for high grain micro nutrient through conventional and molecular breeding approaches phase-II	PI: Dr. Rahaul Kumar Co-PI: Dr. H.S. Dhaliwal	2012-2017	109.34	Department of Biotechnology, Government of India, New Delhi
2.	Improvement of end-use quality of IBL/IRS translocation containing wheat varieties by removing of Sec-I loci and retaining Glu-B3 using market assisted back cross-breeding (MABB)	PI: Dr. Pritesh Vyas	2015-2020	55.46	Department of Biotechnology, Government of India, New Delhi
3.	Screening iron, zinc and carotenoids bioavailability from biofortified staple crops using coupled in vitro digestion / CaCo-2 cell model	PI: Dr. Vinod Kumar Sangwan	2016-2019	36.49	Department of Biotechnology, Government of India, New Delhi
4.	Sub surface drip irrigation and conservation agriculture in Himachal Pradesh	PI: Dr. Mahesh Prasad Tripathi	January 2019 to December 2019	1.00	Unnat Bharat Abhiyan, Government of India, New Delhi



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5.	Low cost bait trap for the management of fruit fly in tomato and other crops	PI: Dr. Priyanka Thakur	February 2019 to February 2021	0.50	Unnat Bharat Abhiyan, Government of India, New Delhi
6.	Development of novel packaging film for fruit and vegetable storage using metal oxides nano particles synthesized by different processes	PI: Dr. Sapna Thakur	25/04/2018 to 31/03/2021	24.40	Department of Science and Technology, Government of India, New Delhi
7.	Development of ZnO-Cellulose nano composite for extending storage life of ginger (Zingiber officinale)	PI: Dr. Sapna Thakur Co PI: Dr. Sushma Sharma	01/04/2019 to 31/03/2021	8.00	Department of Environment Science and Technology, Government of Himachal Pradesh, Shimla
8.	Application of indigenous entomopathogenic nematodes as bio control agents for the management of insect-pests in tomato	PI: Dr. Neelam Thakur Co PI: Dr. Sunil Kumar	08/10/2018 to 07/10/2021	28.79	Department of Science and Technology, Government of India, New Delhi



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9.	Development of microbial consortium as bio-inoculants for draught and low temperature growing crops for organic farming	PI: Dr. Ajar Nath Yadav	03/04/2019 to 02/04/2021	8.00	Department of Environment Science and Technology, Government of Himachal Pradesh, Shimla
10.	Developing bee keeping as a sustainable livelihood in rural communities	PI: Dr. Priyanka Thakur	August 2019 to July 2021	1.00	Unnat Bharat Abhiyan, Government of India, New Delhi
	Total Grants Received and Utilized		-	272.98	-



Research Contingency

Details of On Going Research Projects

Sr. No.	Project Name	Project Duration	Research Team	Total Budget (Rs. In lacs)	Funding Agency	Remarks
1	Development and validation of high resolution KASP assay for powdery mildew resistant genes in wheat	2020-2022	PI: Dr. Neeraj Kumar Vasistha	29.99	Science and Engineering Research Board (SERB), (A Statutory Body of the Department of Science and Technology, Government of India, New Delhi)	Continuing
2	Integrated farming system with allied sectors for socio-economic upliftment of rural farmers families of Himachal Pradesh	2020-2023	PI: Dr. Neelam Thakur CO-PI: Dr. Mahaeh Prasad Tripathi	25.00	National Bank for Agriculture and Rural Development, Shimla	Continuing
3	Establishment of Akal Food Safety and Quality Control Laboratory	2019 to 2023	Dr. Krishan Kumar Dr. Naseer Ahmed Dr. Tajendra Pal Singh	338.95	Ministry of Food Processing and Industries, Government of India, New Delhi	Continuing
4	High resolution QTL mapping for iron, zinc, grain protein and phytase content and their introgression in high yielding wheat cultivars.	01.04.2019 to 31.03.2022	PI: Dr. Imran Sheikh CO-PI: Dr. Pritesh Vyas	38.07	Department of Biotechnology, Government of India, New Delhi	Contuning
	Total	-		432.01	-	-



Research Contingency

Details of Submitted Research Projects

Sr. No.	Title of project	Research team	Duration	Funding agency to which submitted along with budget in Lakh Rs	Date of submission
1.	A study of the complex genetic system to develop a package of R/S genes to breed for spot blotch resistance in bread wheat BT/PR42501/AGIII/103/1310/2021	Dr. N. K. Vasistha (PI) and Dr. H.S. Dhaliwal (Co-PI)	3 years	DBT, New Delhi, 77.00 Lakhs	5/03/ 2021
2.	Development of novel microbial consortium as biocontrol agents for economically important crops	PI- Dr. Ajar Nath Yadav Co-PI: Dr. Divjot Kour	3 years	DST 25.00 Lakh	31/03/2021
3.	Development of low-cost liquid bio-formulations of plant growth-promoting microbes as bioinoculants for horticulture crops of hilly regions	PI- Dr. Divjot Kour Co-PI: Dr. Ajar Nath Yadav	3 years	DST 30.00 Lakh	11/01/2021
4.	Study of terminal heat responsive genes and micro RNAs in wheat (<i>Triticum durum</i>)	Dr. Pritesh Vyas & Dr. Imran Sheikh	3 years	ICAR-NASF; 225.00 Lakh	31/08/2020



Research Contingency

Details of Submitted Research Projects

5.	Mining the crop genomes to study the genes and proteins related to mineral micronutrients: constructing database and knowledge resources for crop bio fortification programs.	PI: Dr. Pritesh Vyas	3 years	ICAR-NASF ; 330.00 Lakh	28/08/2020
6.	CE@Cu-MOF/HQC as a potent antiviral nano-coating materials for the anti-COVID-19 triple layer medical masks	PI: Dr. Sapna Thakur Co-PI: Dr. Poonam Thakur	2 years	SERB Short-term special call on COVID-19 20.36 Lakh	30/08/2020
7.	Bio-conjugated gold nanoparticles - based triple enzyme mimetic system with peroxidase activity for colorimetric sensing of xanthine and H ₂ O ₂	PI: Dr. Poonam Thakur Co-PI: Dr. Sapna Thakur	3 years	SERB 20.228 Lakh	17/12/2020
8.	Novel metal organic frameworks impregnated bio-polymeric CE & LG/MOF NCs nanohybrids as packaging materials for industrial applications	PI: Dr. Sapna Thakur Co-PI: Dr. Poonam Thakur	3 years	SERB Power Grant 23.18 Lakh	24/12/2020



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Details of Submitted Research Projects

9.	Biopesticides application for shelf life extension of storage of ginger in Himachal Pradesh	P.I.: Dr. Sushma Sharma Co:PI: Dr. Praneet Chauhan	2 years	10.00 Lakhs	Submitted	20/07/2020
10.	Biodiversity study and screening of potential microbial photoautotroph of the state of the Himachal Pradesh for environmental remediation	PI- Dr. Sunil Kumar Co-PI- Dr. A. S. Ahluwalia	2 years	DEST, Himachal Pradesh 9.86 Lakh	Submitted	03-11-2020
11.	Isolation and characterization of <i>Bacopa monnieri's</i> phytochemicals for treating neurological disorders including Alzheimer's disease and analyse their mechanism of action using genomics approach	PI-Dr. Roop Singh Bora Co-PI: Dr. Vivek Sharma, Dr. Pritesh Vyas, Prof. B.D. Sharma Mentor: Prof. H.S. Dhaliwal	3 years	DBT Rs 98.64 Lakh	Under Review	30/01/2020
12.	Biotechnological refinements for low cost mass multiplication of critically endangered medicinal herbs of North Himalayan Region	Dr Garima Kumari (PI) Dr Sunil Kumar (Co-PI)	3 years	SERB (Science and Engineering Research Board) (Rs. 29.284 Lakh)	Submitted	5/01/2021
13.	Artificial intelligence for smart agriculture in hilly terrain of Himachal Pradesh	PI- Dr. Mahesh Prasad Tripathi CO-PI: Dr. Dileep	2 years	NABARD Rs. 25 Lakhs	Under Review	13/07/2021
	Total			923.54 Lakhs		