

Advanced criteria: Research

Sub Criteria 3.2

Seed funding provided by the Institution in the last 12 months

Name of the faculty investigator(s)	Title of the project	Date of sanction (dd-mm-yy)	Amount of Seed Funding awarded (in INR)	Evidence link
Dr Vivek Kumar, HSBS	Upgrading plant microbe-based approach to enhance phytoremediation method in contaminated water body	26.02.2024	5,75,000	Click Here
Dr Vijay Kumar	Omics study of non-ribosomal peptide and polyketide antifungal metabolites from actinobacteria isolated from leaf cutter ants	26.02.2024	5,75,000	Click Here
Dr. Geeta Rana, Dr. Ravindra Sharma	Capacity Building for Agri-entrepreneurship Development for Socio-Economic Independence Leading to Entrepreneurial Empowerment in Uttarakhand Region	14.05.2024	1,35,000	Click Here
Dr. Som Aditya Juyal & Dr. Amit Nautiyal	Managing Patient Data for Healthcare Excellence	14.05.2024	85,000	Click Here
Dr Nupur Kaul, HIMS	Elaboration of drug resistance mechanisms and molecular characterization of Carbapenem-resistant Enterobacteriales (CRE) and Carbapenem-resistant Pseudomonas aeruginosa (CRPA) in ICU settings of a tertiary care center of Uttarakhand	24.07.2024	12,87,920	Click Here
Dr Vikas Jadon	Elite germplasm selection based on elicited gymnemic acid and antioxidant status of Gurmar (Gymnema sylvestre) using micropropagation technique	26.07.2024	9,00,000	Click Here
Dr Ashwani Bhatt	Epidemiological study of Dementia in Uttarakhand: A comprehensive Approach	24.07.2024	9,54,500	Click Here
Dr Ganesh Kumar	Cost effective synthesis and application of 2,4-Diaminobenzoic Acid and Related Precursors as versatile Building Blocks in organic chemistry: Exploring Pharmaceutical and Agricultural Potentials	17.07.2024	3,50,000	Click Here
Dr Vibhor Sharma	Smart Hand	29.09.2024	1,50,000	Click Here
Dr Vivek Kumar	Metagenomic analysis of hospital waste water for determination of drug resistance genes	29.09.2024	2,65,000	Click Here

Dr Vijay Kumar	Omics based Study of drug resistant Acinetobacter: Unraveling molecular mechanisms and identifying therapeutic targets	29.09.2024	2,75,000	Click Here
Dr Sanjay Gupta	Bamboo Tea cultivation for rural upliftment	16.11.2024	2,00,000	Click Here
Dr Nupur Joshi	Investigating the potential of Fungal Mycelium mats: comparative analysis of various Fungal species for future research	16.11.2024	2,00,000	Click Here
Dr Praveen Rikhari	Navigating sensorium: Lemborexant vs Melatonin vs Placebo for management of Delirium - a hospital based prospective randomized controlled trial	29.03.2025	65,000	Click Here
Dr. Anita Sharma	The assessment of micronutrients levels in adult experiencing depression and their correlation with severity of depressive symptoms	05.10.2024	3,25,000	Click Here
Dr. Ankit Sharma, Dr Somlata Jha, Dr Abha Srivastava, Dr Kiran Bhatt, Dr Deepak Dhar, Dr Ramkumar S, Ms. Anuradha Sharma	Impact of Yoga Practices on Physiological, Biochemical and Psychological Parameters in Young Adults- A Pilot Study	05.10.2024	2,00,000	Click Here
Dr Kanchan Bisht	Investigating Microglial Lipid Droplet Involvement in Glioblastoma	07.01.2025	10,52,000	Click Here
Dr. Abhay Srivastava	Exploring the Multifaceted Utility of social mapping in community Medicine: A proposal for Rural Health Training Centre (RHTC)	21.01.2025	1,03,000	Click Here
Dr. Abhay Srivastava	Water quality assessment in a selected Urban Slum of Doiwala Block in district Dehradun	21.01.2025	1,45,000	Click Here
Dr. Arpana Singh	Utilization of direct susceptibility testing method by Vitek-2 from positively flagged blood culture bottle for Gram negative bacilli in bacteremia patients.	21.01.2025	69,000	Click Here
Dr. Arpana Singh	In-vitro activity of ceftaroline (fifth generation cephalosporin) against Methicillin resistance <i>Staphylococcus aureus</i> (MRSA) isolate from various clinical samples in the tertiary care hospital, Dehradun: A pilot study	21.01.2025	20,000	Click Here
Dr. Ruchira Nautiyal Dr. Smita Dimri, Dr Naveen Kumar Navani	Development of Millet-based functional food for Pregnant and Lactating Women in Uttarakhand – Phase I	07.01.2025	70,000	Click Here
Dr. Grace Madonna Singh, Professor, Mental Health Nursing, HCN	Prevalence and determinants of stress and anxiety among primary caregivers of substance use disorder patients in a view to develop a Nurse Led Intervention on anxiety and stress management in selected hospital of Dehradun, Uttarakhand	07.01.2025	56,000	Click Here

Dr. Kamli Prakash	Knowledge attitude and belief of nurses regarding antimicrobials use and prevention of antimicrobials resistance	07.01.2025	10,000	Click Here
Dr. Purandhi Roopmani Dr. Ruchira Nautiyal, Dr. Vijay Kumar, Dr. Bharti Saklani	Evaluation of Human Umbilical Cord Blood derived Platelets Rich Plasma (CB-PRP) and Peripheral blood isolated Platelets Rich Plasma (PB-PRP) for Antimicrobial Activity	21.01.2025	55,000	Click Here
Dr. Kanchan Bala, Associate Professor, Obstetrics & Gynecological Nursing, HCN CO-PI: Dr. Ruchira Nautiyal, Professor, HIMS	Effectiveness of Awareness Programme on Self-Collection Sampling for HPV-DNA Testing interms of Awareness and Attitude among adult women in a selected community of Dehradun: A mixed method	29.03.2025	75,000	Click Here
Dr. Harleen Kaur, Professor & HoD, Nursing Foundation, HCN Co-PI: Ms. Shivangi Hemdan, Tutor, Nursing Foundation, HCN	Effect of An Awareness program on Cyberbullying and their coping skills among Adolescent in selected Schools of Dehradun, Uttarakhand.	29.03.2025	70,000	Click Here
Dr. Anupama Sharma	Effectiveness of Continuing Nursing Education Programme on application of Safe delivery app (SDA) among Nursing Professionals at Selected college and Hospital Dehradun, Uttarakhand	29.03.2025	29,000	Click Here
Dr. Amjad Husain	Predicting the concurrent chemoradiation therapy (CTRT) outcomes in localized muscle invasive bladder cancer (MIBC) patients by exploring novel biomarker in tumor samples of radioresistant patients.	12.04.2025	14,00,000	Click Here
Dr. Neha Verma	Assessing the Quality of life and job satisfaction of auxiliary staff working at a tertiary care hospital in Dehradun, Uttarakhand.	01.05.2025	2,500	Click Here
Dr. Kiran Bhat	Impact of Pneumatic transport system on Blood sample and laboratory turn-around time	01.05.2025	1,68,000	Click Here
Dr. (Brig) RS Saini Dr Vinish K Agarwal, Mr. Vaibhav Badoni, Dr. Himadri Mamgain	A cross-sectional study to assess the awareness of hospital emergency codes among clinical and non-clinical workers of tertiary care hospital	01.05.2025	2,700	Click Here
Dr. S.S Bist,	Predicting the malignancy in contralateral thyroid lobe in patients undergoing completion thyroidectomy - a retrospective, cross sectional study	01.05.2025	5,000	Click Here
Dr Arti Bisht	Hydroponic technology to enhance commercial-scale productivity of	24.12.2024	3,50,000	Click Here

	<i>Origanum vulgare</i> from Uttarakhand, West Himalaya			
Dr. Kanchan Bala	A study to assess the prevalence, risk factors and awareness regarding Pregnancy Induced Hypertension (PIH) with a view to develop nurse led intervention among antenatal women visiting Gynae OPD in a selected hospital, Dehradun, Uttarakhand.	01.05.2025	21,000	Click Here
Dr Vandana Chauhan	A study on health risk and self-esteem of obese adolescents in selected schools of Dehradun, Uttarakhand	01.05.2025	70,000	Click Here
Dr. Harleen Kaur, Professor & HoD, Nursing Foundation, HCN Co-PI- Ms. Varsha Rawat, Tutor, Nursing Foundation, HCN	Effects of an Awareness Program on knowledge and practice regarding menstrual hygiene among adolescent girls in selected Government Schools of Dehradun, Uttarakhand	01.05.2025	60,000	Click Here
Dr. Grace Madonna Singh, Professor, Mental Health Nursing, HCN Co-PI- Ms. Heena Negi, Tutor, Mental Health Nursing, HCN	Effect of Health Promotion intervention on Physiological and Psychological well-being of elderly people	01.05.2025	47,000	Click Here
Dr. Sanjay Gupta	Hydroponic technology to enhance commercial-scale productivity of <i>Origanum vulgare</i> from Uttarakhand, West Himalaya (Additional grant for the proposal sanctioned in 8 th URC)	01.05.2025	3,40,000	Click Here
Dr. Rambeer Ghuleliya	Study on the effect of transcutaneous electrical nerve stimulation (TENS) on pain, function, and quality of life in fibromyalgia (FM) patients -2-arm, parallel-group, pragmatic, randomized clinical superiority trial	01.05.2025	96,000	Click Here
Dr.Somlata Jha,Dr.Nikku Yadav,Dr.Ankit Sharma,Dr.Abha Srivastava,Dr.Reshma Kaushik	Development and Assessment of Tele-Yoga protocol for Thyroid Disorder: A randomized Controlled trial at Himalayan Hospital, Dehradun	09.05.2025	1,88,000	Click Here
Dr Kumar Sachin,	Development of a composite biopolymer based edible coat formulation for enhancing shelf-life quality of fresh farm produce in Uttarakhand	09.05.2025	1,40,000	Click Here
Dr Raghav Dixit	Formulation and evaluation of Triphala tablets by using different Millets starch found in Uttarakhand as binding agent for the treatment of Diabetes	01.05.2025	2,50,000	Click Here
Dr Mukesh Prasad, Dr Satish Uniyal	A systematic study of the vertical distribution of radionuclides in soil	09.05.2025	1,20,000	Click Here

	profiles of neutral and vegetation lands in Doon Valley of Garhwal Himalaya, India.			
Dr Samiksha Joshi	Spent mushroom substrate as a soil amendment : Effects on soil quality and microbial communities	09.05.2025	2,00,000	Click Here
Dr Megha Sharma	Integrative phytochemical and transcriptome profiling of <i>Nyctanthes arbor-tristis</i> (Harsingar) for uncovering therapeutic potential	01.05.2025	2,75,000	Click Here
Dr Gourav Kumar, Dr Smita Chandra, Dr Rakhee Khanduri, Dr. Madiwalesh Chhebbi, Dr. Vikash S Jadon, Dr. Geeta Bhandari, Dr. Sanjay Gupta	Regulation of Lung adenocarcinoma glycolysis by EGFR dependent RSK4: molecular mechanism	09.05.2025	12,00,000	Click Here
Dr. Nikku Yadav	Prediction of Diabetes-Induced Complications in Patients of Himalayan Hospital Dehradun, Uttarakhand: An Artificial Intelligence Approach	28.06.2025	30,000	Click Here
Dr Gourav Kumar	Mutational Study of lung adenocarcinoma for glycolysis metabolism by EGFR dependent RSK4	01.05.2025	2,00,000	Click Here
Dr Priyank Purohit	Hybrid NO releasing “V-shaped” probable anti-cancer agent, through modification of natural anti-tumor sulfated polysaccharide	01.05.2025	4,50,000	Click Here
Dr. Nitika Agarwal	STS 2024 selected project "Bacterial contamination of mobile phones used by healthcare workers and guardians of patients in pediatric critical care unit: study from a tertiary hospital in Uttarakhand	14.06.2025	60500	Click Here
Dr Arvind S. Farswan	Optimizing Drug Information and Prescription Patterns for type-2 Diabetes with Hypertensions: Advancing Rational Use and Pharmacy Education	01.05.2025	48,000	Click Here
Dr Ujjwal Nautiyal	Exploring the influence of maternal obesity on the health status of newborns and mothers	01.05.2025	45,000	Click Here
Dr Ujjwal Nautiyal	The impact of social media on the mental health of students	01.05.2025	30,000	Click Here
Dr. Nidhi Kumar, Dr Arti Rajput Dr Gurjeet Khurana	To compare the efficacy of topical administration of magnesium sulphate, dexmedetomidine and dexamethasone in post-operative sore throat in patients undergoing general anaesthesia.	01.05.2025	15,350	Click Here
Dr. Manoj Kumar Dr Rahul Gupta Dr Shahnawaz Saifi Dr Rakhee Khanduri	Shorter MDR regimen outcome in association with clinical, Hematological and smoking status-A cross sectional retrospective study in North Indian DR TB Centre.	01.05.2025	1000	Click Here

Dr. Robin Victor	Exploring the link between loneliness and various parameters of alcohol use disorder: A cross sectional study from North India	01.05.2025	6000	Click Here
Dr. Manoj Kumar Dr Mukta Singh Dr Rakhee Khanduri Dr Kartika Sharma Dr Dhruv Gupta	Comparison of nutritional and radiological profile of acute exacerbation in COPD patients with hypercapnic respiratory failure with non – Hypercapnic respiratory failure – A Prospective observational study	01.05.2025	1000	Click Here
Dr. Parul Jindal Dr Nirupa Ramakumar Dr Sheetal Dr Aisha	Short Term outcomes of perioperative pain management utilizing enhanced recovery versus standard protocol following paediatric urological surgery: A pilot randomised controlled study	01.05.2025	28,000	Click Here
Dr. Chinmay Chetan Dr Saikat Patra Dr Arshpuneet Kaur Sandhu	Cardiovascular Dynamics in Preterm infants undergoing Kangaroo Mother care: A prospective study.	01.05.2025	75,000	Click Here
Dr Deepak Srivastava	Empowering farmers through Artificial Intelligence	07.10.2025	50,000	Click Here
Dr. Ashish Simalti	Role of the film array respiratory panel in pediatric pneumonia diagnostic utility and clinical management in a tertiary case setting	07.10.2025	2,99,040	Click Here
Dr Pooja Baloni	Land surface movement analysis in Jyoti math, India using sentinel-1 and time –series InSAR Techniques	07.10.2025	100000	Click Here
Dr. Komal Thakur	A protocol for evaluation and management in patients with Acute Undifferentiated Fever in the Emergency Department of a tertiary care Center- A prospective study	07.10.2025	5000	Click Here
Dr. Varuna Jethani	Correlation of bronchoalveolar lavage fungal culture with clinical spectrum and radiological features: A retrospective study	07.10.2025	1,000	Click Here
Dr. Barnali Kakati	Comparative study of MRSA screening among Healthcare workers and sepsis profile in a paediatric intensive care unit (PICU)	07.10.2025	20,000	Click Here
Dr. Ruchira Nautiyal Dr. Smita Dimri, Dr Naveen Kumar Navani	Development of Millet-based functional food for Pregnant and Lactating Women in Uttarakhand – Phase I (request remaining funds – Phase II)	07.10.2025	3,04,000	Click Here
Dr. Nikku Yadav	To establish clinical trial center to conduct research on Diabetes-Induced Complications in Patients of Himalayan Hospital, Dehradun	20.08.2024	60,00,000	Click Here
Dr. Manish Raturi	Establishment of an Integrated Hematology Research and Diagnostic Centre for Advanced Hematological Studies at Himalayan Hospital, Dehradun, Uttarakhand	28.08.2024	23,00,000	Click Here

Dr. Dushyant Gaur	To study the Early Detection of Blood Cancer through Advanced Diagnostic, Genomic, and Biomarker- Based Approaches	28.08.2024	60,00,000	Click Here
Dr. Barnali Kakati	Microbiological Insights into the Pathogenesis of Type 2 Diabetes Mellitus: A Gut Microbiome Approach	28.08.2024	25,03,000	Click Here
Dr. Sanjay Gupta	Hydroponic technology to enhance commercial-scale productively of Origanum vulgare from Uttarakhand, West Himalaya	08.09.2024	16,40,000	Click Here
Dr. Sanjiv Kumar Verma	Clinical, Radiological, and Molecular Profiling of Non-Small Cell Lung Cancer (NSCLC) in Patients of Himalayan Uttarakhand	10.09.2024	5,50,000	Click Here
Dr. Geeta Bhandari	Characterization of Enzymatic Profiles in Hericium erinaceus and Pleurotus ostreatus for Biotechnological Innovations	22.09.2024	40,00,000	Click Here
Dr. Nupur Joshi	Investigating the Potential of Fungal Mycelium Mats: Comparative Analysis of Various Fungal Species for Future Research Advancement	23.09.2024	6,00,000	Click Here
Dr. Vivek Kumar	An effective microbiological growth medium for screening zinc solubilizing microbes	26.09.2024	6,00,000	Click Here
Dr. Pramod Kumar	Establishment of a Centre of Excellence in Artificial Intelligence & Data insights (CE-AIDI) for Institutional Innovation, Research & Advanced Skilling	14.10.2024	61,05,000	Click Here
Dr. Anupama Mishra	Deep Learning for Dermatology: An AI- Based Model for skin disease Detection	14.10.2024	9,05,000	Click Here
Dr. Ankit Batra	Clinical, Pathological, and Molecular Profiling of Breast Cancer in Patients of Himalayan Hospital, Dehradun, Uttarakhand	22.10.2024	4,00,000	Click Here
Dr. Juhি Kalra	Establishment of a Medical Education Centre (MEC) dedicated to advancing Innovative pedagogy, faculty development, and educational research in medical and health sciences	22.10.2024	60,80,000	Click Here
Dr. Vijay Kumar	Oomics-Based Study of Drug-Resistant Acinetobacter: Unraveling Molecular Mechanisms and identifying Therapeutic Target	25.10.2024	16,20,000	Click Here
Dr. Purandhi Roopmani	To develop bioactive scaffolds for skin wound infection and tissue regeneration	14.11.2024	14,00,000	Click Here
Dr. Vivek Kumar	Upgrading plant microbe-based approach to enhance phytoremediation method in contaminated water body	14.11.2024	20,00,000	Click Here

Dr. Vikas Singh Jadon	Elite germplasm selection based on elicited gennemic acid and antioxidant status of Gumar (Gymnema Sylvestre.) using micro-propagation techniques	20.11.2024	15,00,000	Click Here
Dr. Vibhor Sharma	Smart Disaster Response and Rescue System using IoT and Edge Computing	27.11.2024	12,50,000	Click Here
Dr. Aavarti Baveja	A Clinical and Molecular Profile Study of Multiple Myeloma in Patients of Himalayan Hospital, Dehradun, Uttarakhand	27.11.2024	3,00,000	Click Here
Dr. Aarti Kotwal	To study the microbiological aspects of Tuberculosis (TB) with a focus on rapid detection, antimicrobial resistance mechanisms, and molecular characterization of <i>Mycobacterium tuberculosis</i> strains	03.12.2024	40,20,000	Click Here
Dr. Smita Chandra	Pathological and Molecular Characterization of Cancer Using High-Level Molecular and Serum Biomarkers for Improved Understanding of Tumor Biology, Early Detection, Prognosis, and Personalized Therapy	03.12.2024	17,00,000	Click Here
Dr. Vijay Kumar	Oomics study of Non-ribosomal peptide and Polyketide antifungal metabolites from actinobacteria isolated from leaf cutters ants	03.12.2024	20,00,000	Click Here
Dr. Archana Dhasmana	Screening of herbal bioactive components for anti- cancerous activity	17.01.2025	51,00,000	Click Here
Dr. Deepak Srivastava	Sustainable Smart Farming; Deep Learning-Based Crop Monitoring and Yield Prediction for Climate-Resilient Agriculture	17.01.2025	20,00,000	Click Here
Dr. Sanchita Pugazhendi	Establishment of a Comprehensive Hybrid Simulation Center for Multi-Specialty Nursing Education in Himalayan	17.01.2025	1,08,00,000	Click Here
Dr Gourav Kumar, Dr Smita Chandra	Mutational study of lung adenocarcinoma for glycolysis by EGFR dependent RSK4	30.01.2025	12,00,000	Click Here
Dr. Reshma Kaushik	Clinical, Immunological, and Environmental Profiling of Allergic Rhinitis in Patients of Himalayan Hospital, Dehradun, Uttarakhand	30.01.2025	4,93,000	Click Here
Dr. Garima Mittal	Role of Hospital waste as a source and vector for Hospital-Acquired Infections (HAIs): Pathogen Isolation, and Antimicrobial Resistance Profiling	14.02.2025	18,00,000	Click Here
Dr. Kiran Bhatt	Role of tumor markers in cancer diagnostics and prognostics	14.02.2025	29,00,000	Click Here
Dr. Vivek Kumar	Metagenomics analysis of hospital waste water for determination of drug resistance genes	05.03.2025	6,00,000	Click Here

Dr Gourav Kumar, Dr Smita Chandra, Dr Rakhee Khanduri, Dr. Madiwalesh Chhebbi, Dr. Vikash S Jadon, Dr. Geeta Bhandari, Dr. Sanjay Gupta	Regulation of lung adenocarcinoma glycolysis by EGFR dependent RSK4: molecular mechanism	17.03.2025	53,00,000	Click Here
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