

UTTARAKHAND STATE COUNCIL FOR SCIENCE & TECHNOLOGY
DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVERNMENT OF UTTARAKHAND
VIGYAN DHAM Jhajra Premnagar Dehradun
Website : www.ucost.in

U-COST Sponsored R&D Projects - 2012-2013

SINo	P.I. name & Address	Project title	Amount Sanctioned (in Rs)
1	Dr R.K. Jauhari Associate Professor & Head Department of Zoology D.A.V. (PG) College Dehradun (UK)	Intermosquito-schistosome larval antagonism- A dual benefit approach in reducing snail and mosquito borne diseases in Doon valley	266,200
2	Dr. Amita Saxena Professor, Department of Fishery Biology College of Fishery Sciences G.B. Pant University of Agriculture & Technology Pantnagar- 263145 (UK)	Nutritive and breeding strategies for improving colouration in some ornamental fishes	323,400
3	Dr Rachna Nautiyal Sr. Lecturer Department of Zoology Government (PG) College Dakpathar Vikasnagar -248125 (UK)	Impact of Hydro-Electric projects on health of Yamuna river system using diatoms as bio indicators	273,900
4	Dr Vinod Kumar Bhatt Director Program & Research Navdanya Trust 105 Rajpur Road Dehradun (UK)	Collection, identification, documentation of wild edible and medicinal Mushrooms of Garhwal Himalaya of Uttarakhand	207,350
5	Dr Lalit Mohan Tewari Associate Professor Department of Botany D.S.B. Campus Kumaun University Nainital (UK)	Restoration and digitization of herbarium at Botany department, Kumaun University, Nainital Uttarakhand	433,500
6	Dr Sanjay Gupta Professor & Head Department of Biotechnology & Biochemistry	Assessment of the population of <i>Angelica glauca</i> in natural habitat and conservation of this endangered medicinal herb through micropropagation and elite germplasm	312,400

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	Sardar Bhagwan Singh Post Graduate Institute of Biomedical Sciences and Research Balawala Dehradun-248161 (UK)	conservation	
7	Prof. J.S. Rawat Director Centre of Excellence for NRDMS in Uttarakhand Department of Geography Kumaun University, SSJ Campus Almora – 263601	Impact of Climate Change on Hydrological Responses under varied ecological conditions in Kumaun lesser Himalayan Terrain	161,700
8	Dr Jyoti Saxena Professor and Head Department of Biochemical Engineering Bipin Tripathi Kumaon Institute of Technology Dwarhat-263653 (UK)	Isolation and characterization of promising plant growth promoting Rhizobacteria and their use as potential bioinoculants	240,900
9	Dr Pushpa Lohani Assistant Professor Department of Molecular Biology & Genetic Engineering CBSH G.B. Pant University of Agriculture & Technology Pantnagar-263145 (UK)	Full length cloning and in silico analysis of myb gene from Eleusine coracana for drought stress tolerance	240,900
10	Dr N.S.K. Harsh Scientist-F Forest Pathology Division Forest Research Institute PO- New Forest Dehradun-248006 (UK)	Medicinal and edible mushroom cultivation for income generation in rural areas of Uttarakhand	224,400

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11	Dr Ruchi Badola Scientist F Ecodevelopment Planning and Participatory Management Wildlife Institute of India PO Box: 18, Chandrabani Dehradun (UK)	Promoting livelihood security and community participation in forest conservation in fringes of Kedarnath Wildlife Sanctuary, Western Himalaya	251,900
12	Ms Ismita Nautiyal Scientist B Composite Wood Discipline, Wood Processing Division Forest Research Institute PO- New Forest Dehradun (UK)	To study the suitability of combi-ply from Melia composita and poplar	171,600
13	Dr Neelu Jyothi Ahuja Research Head & Assistant Professor Department of Computer Sciences College of Engineering Studies University of Petroleum and Energy Studies VPO- Bidholi, via Prem Nagar Dehradun-248007 (UK)	An Expert System for Integrated Solid Waste Management in Dehradun city	218,900
14	Dr H.J. Chowdhery Scientist Emeritus, Botanical Survey of India Northern Regional Centre 192-Kaulagarh Road Dehradun (UK)	Orchids of Western Himalaya with special reference to their conservation and commercialization strategies	191,400
15	Dr Vinita Sharma Scientist-C Northern Regional Centre Zoological Survey of India 218, Kaulagarh Road Dehradun-248195 (UK)	Taxonomic studies on nematodes of Rajaji National Park, Uttarakhand	196,900

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16	Dr GBG Pananjay Kartikey Tiwari Centre for Rural Development, Ecology and Environment Protection (CRDEEP) 315/10 Kaulagarh Road Indra Vihar, Rajendra Nagar Dehradun (UK)	A study of solid waste management in Municipal area of Srinagar Garhwal, Uttarakhand	177,100
17	Sh Sumit Purohit Senior Research Fellow Department of Biotechnological Applications GB Pant Institute of Himalayan Environment and Development Kosi Katarmal, Almora - 263643 (UK)	Studies on propagation and genetic diversity in <i>Zanthoxylum armatum</i>	240,900
18	Dr Girijesh Kumar Patel Assistant Professor Department of Biotechnology 566/6 Bell Road, Clement Town Dehradun (UK)	Cloning and characterization of DAHP synthase gene from <i>Parthenium hysterophorus</i> weed: A novel target for the herbicide design	88,000
19	Dr Kumud Pant Assistant Professor Department of Biotechnology Graphic Era University 566/6 Bell Road, Clement Town Dehradun (UK)	Elucidation of possible vaccine candidates and drug targets for Encephalitis using reverse vaccinology approach	199,100
20	Dr Ashish Thapliyal Associate Professor Department of Biotechnology Graphic Era University 566/6 Bell Road, Clement Town Dehradun (UK)	Screening medicinal plants of Uttarakhand for modulation of secretase enzyme activity: Prospect for treatment of Alzheimer's	279,400

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21	Dr. S.P. Rai Scientist 'E1' Hydrological Investigation Division National Institute of Hydrology (NIH) Roorkee (UK)	Identification of Source of Seepage/Leakage around Lake Nainital, Uttarakhand	259,757
22	Dr. Rajesh Thadani Executive Director Centre for Ecology Development and Research (CEDAR) 41/1, Vasant Vihar Dehradun (UK)	Climate Change in Uttarakhand: Current State of Knowledge and Way Forward	308,000
23	Dr. O.P.S. Negi Assistant Professor, Deptt. of Physics, Kumaun University, SSJ Campus, Almora	Magnetic Monopoles, Supersymmetry and Division Algebra	204,000
24	Mr. R. Ranjan Assistant Professor, Deptt. of Mechanical Engineering, Dehradun Institute of Technology, Dehradun	Design and Fabrication of an All Terrain Vehicle	210,000
25	Dr. Emmanuel Shubhakar Pilli Professor, Deptt. of Computer Science & Engineering Graphic Era University Dehradun	Investigating the Source of the Spoofed Emails	148,100
26	Dr. Kusum Deep Associate Professor Deptt. of Mathematics Indian Institute of Technology Roorkee, Roorkee	Parellel Meta Heuristics for Engineering Design	206,400
27	Dr Sanjeev Kimothi Assistant Professor Deptt. of Physics	Study of Emissivity and Scattering coefficient for vegetation and soil of Uttarakhand under various moisture conditions at Microwave frequencies	223,400

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Graphic Era Hill University Dehradun (UK)			
28	Prof D.R. Gangodkar Professor & Dean, Deptt. of Computer Science & Engineering, Graphic Era University, Dehradun (UK)	Automated Surveillance System for Traffic Volume Estimation and Redirection	153,600
28	Prof Dheeraj Gupta Assistant Professor Deptt. of Mechanical Engineering Graphic Era University Dehradun (UK)	Microwave Alloying of hardfacing materials on stainless steel	247,100
29	Dr Pratibha Joshi Assistant Professor Deptt. of Mathematics University of Petroleum & Energy Studies Bidholi Dehradun (UK)	High Order Numerical Solution of some differential equations arising in engineering using Non Standard numerical techniques	68,500
30	Dr Rajiv Kumar Azad Assistant Professor Deptt. of Radiology Shri Mahant Indresh Hospital Patel Nagar Dehradun (UK)	A Study evaluating the role of post contrast magnetic resonance imaging in planning and optimizing treatment of focal calcified brain lesions in patients presenting clinically with seizures in Uttarakhand region	462,000