

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 - 2006-2007

p SINo	P.I. name & Address	Project title	Total Amount Sanctioned (in Rs)
1	Dr A.K. Biyani Reader, Dept. of Geology D.B.S. (PG) College Dehradun	Geological And Geomorphological Investigations Of Hazardous Landslides Sites And Their Impact Rating On Rishikesh-Neelkanth Road Of Pauri Garhwal District, Ua	123,000
2	Dr A.K. Tiwari Assostant Professor VCSG College of Horticulture G.B.Pant University of Agriculture & Technology Bharsar – Pauri	Standardization of Agro Techniques & Post Harvest Management of Orchid (Cymbidium)	574,600
3	Dr Adesh Kumar, Head Dept of Zoology, BLJ Govt Degree College Purola –Uttarkashi	Biodiversity impact on host productivity and eradication of phthirapteran ectoparesites infesting poultry birds of Garhwal	433,000
4	Dr Akhilesh Kumar Reader in Physics Pt. L.M.S. Govt. P.G. College Rishikesh	Preparation, synthesis and study of optical and electrical properties of nanoparticles	720,000
5	Dr Anita Pandey Scientist 'E' Department of biotechnology G.B. Pant Institute of Himalayan Environment and Development Kosi-Katarmal, Almora	Field evaluation of microbial inoculants developed for use in mountain	814,400
6	Dr Devi Datt Chauniyal Reader Deptt. Of Geography HNB Garhwal University, Srinagar	Development of spring sanctuary and strategy for environmental regeneration in Ghat Gad watershed of Uttarakhand using remote sensing and GIS techniques	676,900

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7	Dr Dinesh Sati En Net Development Society 174/2, Mohit Nagar GMS Road Dehradun	Hazardous contaminants of natural origin in Himalayan spring waters of upper Alaknanda valley	526,700
8	Dr Gaj Raj Singh Bisht Reader, Dept of Microbiology, S.B.S. PG Institute of Biomedical Sci. & Research, Balawala, Dehradun	Searching potential metabolites from actionmycetes active against drug resistant bacterial pathogens	1,289,500
9	Dr Govind Singh Rajwar Reader Dept of Botany Govt. Post Graduate College Rishikesh	A study on forests of southern Tehri Garhwal in relation to altitude and disturbance	584,300
10	Dr Hema Lohani Herbal Research & Dev. Institute, Centre for Aromatic Plants Selaqui UP SIDC Building, Industrial Area – Selaqui, Dehradun	Screening of Tanaceum species from Uttaranchal for their essential oil profiles	609,000
11	Dr I.D. Bhatt Scientist 'D' G.B. Pant Institute of Himalayan Environment and Development, Kosi-Katarmal, Almora	Population status assessment and screening of active constituents of selected medicinal plants in Uttaranchal Himalaya	882,546
12	Dr I.P. Pandey Reader Deptt of Chemistry DAV (PG) College Dehradun	Integrated approach for sustainable water resources development planning of Asan river in Western Doon Valley using remote sensing and GIS techniques	302,450
13	Dr K.P. Singh Associate Professor	Development of Nanobiosensor for the detection of some Herbicides	1,217,187

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Department of Biophysics C.B.S. & H, G.B. Pant University of Agriculture and Technology Pantnagar			
14	Dr Kaushalya Dangwal Reader & Head Dept of Biotechnology Modern Institute of Technology Dhalwala, Rishikesh	Biodegradation of a Potent Carcinogen Benzo [A] Pyrene (Bap) by Bacteria Isolated from Automobile Contaminated Soil of Hilly Region of Uttarakhand	432,200
15	Dr Krishna Kumar Director, Dehradun Institute of Technology, Mussoorie Diversion Road, Dehradun	Light weight Palky	145,935
16	Dr M.S.M. Rawat Head Department of Chemistry H.N.B. Garhwal University Srinagar	Chemical profiling of the medicinal herbs of Garhwal- A strategy for quality control	832,500
17	Dr Manisha Uniyal NAVDANYA, 105, Rajpur Road, Dehradun	Hyporheic biodiversity of the river Bhagirathi downstream of the Tehri dAm, Uttaranchal	624,800
18	Dr N. Singh Principal G.B. Pant Engg College Pauri (UK)	Feeding strategies of Hillstream Teleosts of Garhwal Himalaya	473,000
19	Dr N.S. Bhandari Reader Deptt of Chemistry SSJ Campus, (Kumaun University, Nainital) Almora	Hydro-chemical evaluation and creating awareness towards improving quality and quantity of spring waters in Almora, Uttaranchal	296,000

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20	Dr P.S. Bisht Dept. of Physics S.S.J. Campus Kumaun University Nainital	Monopoles dyons and algebraic theory of fundamental interactions	512,000
21	Dr Prakash Nautiyal Professor Deptt of Zoology H.N.B. Garhwal University Srinagar	Benthic Diatom Assemblages as Biological Indicators of Trophic Status in the Streams Impacted by Different Landuse in Uttarakhand	980,200
22	Dr R.K. Jauhari Reader Deptt of Zoology D.A.V.(P.G.) College Dehradun	Monitoring Of Malaco Faunal Diversity- An Investigation On Malacologic Schistosomiasis In Foot Hill Region Of Garhwal	421,900
23	Dr R.N. Ram Professor Fishery Biology, College of Fisheries, G.B. Pant University of Agriculture and Technology, Pantnagar	Dissemination of bio-resource-based culture and seed production technology of Murrels to fish farmers belonging to SC/ST and Weaker section of Tarai region of Uttarakhand	946,475
24	Dr Rajiv Pandey Scientist Statistical Branch Forest Research Institute P.O. New Forest Dehradun	Fuel wood utilization and its impacts on women's health in Jaunsar (Uttarakhand)	417,000
25	Dr S.K. Nandi Scientist 'E' G.B. Pant Institute of Himalayan Environment and Development, Kosi-Katarmal Almora	Development of callus and hairy root cultures as strategy for production of active compounds from two Himalayan alpine medicinal plants	1,487,100
26	Dr S.K. Gupta (Co-Investigator)	Effect Of Fluoride In Histopathology Of Reproductive Organs Of Male Albino Rat	530,000

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	Reader Deptt. Of Zoology D.B.S.(P.G.) College Dehradun		
27	Dr S.K. Mishra J.R.O. Mushroom, Plant Pathology, V.C.S.G. College of Horticulture, (GBPUAT, Pantnagar), Bharsar, via Chipalghat, Pauri Garhwal	Development and Promotion of Pleurotus based Cottage Industry using local Natural Resources in Mid Hills of Pauri District	738,500
28	Dr S.N. Bahuguna Reader Dept of Zoology & Biotechnology UGC-SAP, COSIST and DBT (FIST) Post Box-70 HNB Garhwal University Srinagar Garhwal	Morpho-histological, functional and development study in pre to post flexion embryo of a hill stream loach, noemacheilus mountanus (McClelland)	641,000
29	Dr Sandeep Arora Associate Professor Department of Molecular Biology & Genetic Engg. G.B. Pant University of Agriculture & Technology Pantnagar	Improvement of Brassica juncea defense mechanism to combat oxidative stress	693,150
30	Dr Sanjay Gupta Reader & Head Department of Biotechnology SBS PG Institute of Biomedical Sciences Balawala – Dehradun	Bioconversion of agrowaste for production of biofuel	300,000
31	Dr Sanjay Gupta Reader & Head SBS PG Institute of Biomedical Sciences	Assessment Of Genetic Diversity of Allium cepa and Fagopyrum through molecular markers	1,266,600

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Balawala – Dehradun			
32	Dr Sanjay Naithani Scientist-E Cellulose and Paper Division Forest Research Institute PO- New Forest Dehradun	Bioconversion of forest waste lignocellulosic biomass into ethanol	890,000
33	Dr Shalabh Gupta Lecturer – Botany Govt. (P.G.) College Karanprayag Chamoli	Cytogenetic And Biochemical Evaluation Of Medicinal Plant Bio-Diversity In Garhwal	394,000
34	Dr Shalini Joshi, Reader & Head Dept of Chemistry K.L. D.A.V. (PG) College Roorkee	Development of procedures for assay of drug formulations and resolution of their racemic mixtures	793,150
35	Dr Sunil Kumar Reader Dept of Zoology DAV (PG) College Karanpur – Dehradun	Biological impact of Ozone depletion in Garhwal region	546,000
36	Dr Sushma Tamta Lecturer Deptt of Botany Kumaun University Nainital	Propagation and Improvement of a Therapeutically Important Orchid Dactylorhiza Hatagivea	725,000
37	Dr V.K. Varshney Scientist 'E' Chemistry Division Forest Research Institute PO- New Forest Dehradun	Prospecting for utilization of unexplored ethnobotanically important medicinal plants of Uttarakhand	728,900
38	Dr Versha Parcha Reader Pharmaceutical Sciences	Development of Polyherbal Antidiabetic formulation from Medicinal Plants of Garhwal Himalayas	429,650

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	SBS. PG Institute of Biomedical Sci. & Research Balawala – Dehradun		
39	Dr Virendra K. Dua Dy. Director ICMAR BHEL Ranipur Haridwar	Antimalarial properties of some plants from Garhwal region of North-West Himalaya	767,000
40	Dr. Arun Kumar Director Research, Training & Placement Dolphin (PG) Institute of Biomedical & Natural Sciences Manduwala Dehradun	Biological Diversity Log of Uttaranchal State and its Conservation Strategies	620,000
41	Dr. Pramod Kumar Singh Scientist C Central Silk Board Ministry of Textiles Regional Sericultural Research Station Sahaspur Dehradun	Identification, characterization and popularization of local strains of Nitrogen fixing bacteria in integrated nutrient management system for mulberry grown in the soils of Dehradun	660,000
42	Dr. Prashant Singh District Coordinator – NSS Department of Chemistry D.A.V. P.G. College Dehradun	Solid waste management training programme	732,400
43	Dr. Prashant Singh Reader Department of Chemistry D.A.V. P.G. College Dehradun	Racemization of Antifungal Agents Enantiomers with Benzylic Proton at Physiological pH	1,137,800
44	Dr. Y.K.Sharma Reader & Head Department of Physics	Development and Characterization of Laser Materials	607,000

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	Government Post Graduate College Rudrapur		
45	Jagdamba Samiti 1, Vinod market, Dehradun Road, Rishikesh	Integrated science and technology application for improving agriculture production to ensure livelihood support through vegetable & flower cultivation according agro climatic conditions in 4 Villages of Bhilangana Valley, Tehri Garhwal, Uttaranchal	458,000
46	Miss Nisha Tripathi Bamboo & Fibre Development Board, Indira Nagar, Dehradun	Development of commercially viable technologies for extraction of fibers from unexplored forestry species of Uttaranchal	768,335
47	Mr Piyush Pandey Sr. Lecturer Department of Microbiology SBS PG Institute of Biomedical Sciences & Research Balawala Dehradun	Assessment of bacterial diversity of the Gangetic river system of Uttarakhand using molecular approaches	633,650
48	Ms Smita Jaiswal College of Agribusiness Management GBPUAT Pantnagar	Identification and characterization of products originating in Uttarakhand for Geographical indications	20,000
49	Prof. B.S. Kotaliya UGC Research Scientist Deptt of Geology Kumaun University Nainital	Holocene Climatic Changes and Monsoon Variability in Garhwal Himalayas Using Modern and Ancient Lakes	720,440
50	Prof. D.K. Maheshwari Head Department of Botany & Biotechnology, Gurukul Kangri University	Role of plant growth promoting Rhizobacteria in enhancement of productivity of certain medicinal plants of Uttaranchal	925,000

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Haridwar			
51	Prof. N.S. Bisht Dept of Botany HNB Garhwal University Pauri Campus, Pauri	Biotechnological approach for the propagation of some medicinal plants of Garhwal Himalaya	511,000
52	Prof. Shailendra Mishra Head Deptt of Information Technology Dehradun Institute of Technology Mussoorie Diversion Road Dehradun	IT based Training and E-Learning Platform	405,200
53	Sh A.S. Uniyal Senior Lecturer Department of Maths Govt. M.B.P.G. College Haldwani (Nainital)	A Comparative Study of mathematics Education in Primary and Secondary School of Uttaranchal (Specifically in remote and weaker section (SC/ST/Women) of Kumaun	348,000
54	Sh Anoop Badoni Himalayan Institute for Environment, Ecology & Development (HIFEED) Ranichauri Tehri Garhwal	In vitro micro tuber seed production of potato cv. Kurfi Himalini for commercial cultivation in hilly regions	558,000
55	Sh G.P. Maithani Himalayan Village Resource Development Society Opp Asha Nursing Home Jogiwala Dehradun	Ecological and Socio-Economic Impact of Present Harvesting Practices of Non Timber Forest Produce & Medicinal and Aromatic Plants in Uttarakhand	455,000
56	Sh R.K. Mukherji Society for People's Economic Development (SpeED) 39, Block II Bhandari Bag	Assessment of solid waste generation & contamination in Gahli & Toli (Neelkanth tourist zone) micro-watersheds of Yamkeshwar block, Pauri Garhwal	351,000

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Dehradun			
57	Sh R.S. Kaira Eco Care, Casilton House Tallital, Nainital	Demonstration cum Training on Natural Dye and Dyeing on woolen produce in the hills of Uttarakhand	453,100
58	Sh Ganga Singh Head CC & FI Division Forest Research Institute PO- New Forest Dehradun	Comparison of hydrological regime of a microwatershed having dense Oak Forest with a degraded microwatershed	874,504
59	Sh Sudipto Chatterjee Senior Program Officer (Natrul Resource Management) 788, Udyog Vihar, Ph-V Gurgaon	Developing standards for certification of medicinal and aromatic plants in Uttarakhand	725,000
60	Sh Surender Singh Swati Gramodyog Sansthan, Dharchula Road, Pithoragarh	Cultivation of off-season vegetable through Polyhouse Technique in Pithoragarh district	368,000
61	Shri S.T.S. Lepcha, IFS CEO Uttarakhand Bamboo Fibre Development Board Jalagam Nideshalaya Indiranagar Forest Colony Dehradun	Developing package of practices on low cost earthquake resistant/ treated Bamboo based housing	356,000
62	Shri. Sanjay Rautela Secretary, DORE, 196- B, Khari Bazar, Ranikhat Almora [To upgrade and organize rural black smiths with S&T input to facilitate the local farmers to increase their productivity with the help of improved tools and equipments	512,000