

**UTTARAKHAND STATE COUNCIL FOR SCIENCE & TECHNOLOGY**  
**DEPARTMENT OF INFORMATION, SCIENCE AND TECHNOLOGY**  
**GOVERNMENT OF UTTARAKHAND**  
 VIGYAN DHAM, Jhajra, Dehradun  
 Website : [www.ucost.in](http://www.ucost.in)

**U-COST Sponsored R&D Projects - 2019-2020**

SINo	P.I. name & Address	Project title	Amount Sanctioned (in Rs)
1	Dr Vijay Kumar Assistant Professor Department of Biosciences Swami Rama Himalayan University Swami Ram Nagar Jolly Grant Dehradun (UK)  Email: vijaygkp@gmail.com Mob: 9536308056; 8630348960	Novel anti-tuberculosis antibiotics from actinobacteria associated with Leaf cutter ants of Uttarakhand	402450
2	Prof Piyush Kuchhal Department of Physics, University of Petroleum & Energy Studies Bidholi Dehradun (UK)  Email: pkuchhal@ddn.upes.ac.in Mob: 9997422104	Mapping of electromagnetic power radiation density emitted by cellular towers and its impact on the ecological system in Dehradun district	347000
3	Dr Harish Chandra Additional Professor Pathology and Lab Medicine All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK)  Email: harish.path@aiimsrishikesh.edu.in Mob: 9411718442	Screening of Thalassemia & other Hemoglobinopathies among unmarried youths of Jaunsar, Bawar region of Uttarakhand: A pilot study	240500

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4	<p>Prof Ranjana Pathania  Centre of Excellence in Disaster Mitigation &amp; Management  Indian Institute of Technology Roorkee  Roorkee  Haridwar (UK)</p> <p>Email: ranjanapathania@gmail.com,  rpathfbs@iitr.ernet.in  Mob: 9761305971</p>	<p>Assessment of climate change induced variations in bacteria diversity and antibiotic resistance around Song River, Uttarakhand</p>	576000
5	<p>Dr Kumud Pant  Assistant Professor  Department of Biotechnology  Graphic Era (deemed to be university)  566/6, Bell road, Clement Town  Dehradun</p> <p>Email: pant.kumud@gmail.com  Mob: 9897529207</p>	<p>Assessing medicinal properties of Soor and Pakhoi, the traditional alcoholic drinks of Tons valley, for their medicinal values and later commercialization</p>	329400
6	<p>Dr I.D. Bhatt  Scientist 'F'  G.B. Pant National Institute of Himalayan Environment &amp; Sustainable Development  Kosi-Katarmal  Almora (UK)</p> <p>Email: id_bhatt@yahoo.com;  idbhatt@gbpihed.nic.in  Mob: 9411703802</p>	<p>Promoting conservation and utilization of <i>Dactylorhiza hatagirea</i> (D.Don) Soo and <i>Paris polyphylla</i> Smith. using biotechnological and ecological approaches in Western Himalaya</p>	359900

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7	Dr Madhubari Vathulya Associate professor Department of Burns and Plastic Surgery All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK)  Email: madhubari@yahoo.co.in Mob: 8475000269	Computational modelling for Hindi syllables (kavarg, chavarg and ushma consonants) to aid speech therapy in cleft patients	606900
8	Dr Jayanti Semwal Professor and Head Department of Community Medicine Himalayan Institute of Medical Sciences SRH University Jollygrant Dehradun (UK)  Email: jayantisemwal@srhu.edu.in Mob: 9837338696	A comprehensive approach to substance abuse amongst adolescents and youth in rural Dehradun - Ek Koshish	402200
9	Dr Shwetank Assistant Professor Department of Computer Science Gurukula Kangri Vishwavidyalaya Haridwar (UK)  Email: shwetank.arya@gmail.com Mob: 9760076668	An intelligent Computational Model for Crowd Demonstration and Risk Analysis during Spritual Events in Haridwar	295650

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10	Dr Bela Goyal Assistant Professor Department of Biochemistry All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun  Email: lifeline.bela@gmail.com Mob: 9357276874	A pilot study for identification of molecular biomarkers of cancer related inflammation in gallbladder cancer in Uttarakhand region	532500
11	Dr Surabhi Mishra Assisant Professor Department of Community Medicine Himalayan Institute of Medical Sciences SRH University Jollygrant Dehradun (UK)  Email: surabhimishra42@gmail.com Mob: 9902191523	Prevalence of gestational diabetes mellitus in rural Dehradun : A population-based study	468900
12	Dr Ravi Gupta Aditonal Professor Department of Psychiatry All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK)  Email: sleepdoc.ravi@gmail.com Mob: 9458942135	Comparison between waketime, daytime sleepiness and obesity among adolescents following structured sleep schedule vs. at-will sleep schedule	271500

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13	Dr Nilotpal Chowdhury Additional Professor Department of Pathology and Laboratory Medicine All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK)  Email: nilotpal.chowdhury@gmail.com Mob: 8475000264	Discovery of novel biomarkers associated with HER2 amplification in breast cancer in Uttarakhand	372500
14	Dr Suresh Kumar Sharma Professor & Principal College of Nursing All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK)  Email: sk.aiims17@gmail.com; suresh.nur@aiimsrishikesh.edu.in Mob: 8475000293	Glycaemic control in adult patients with diabetes mellitus Type-II, receiving care through nurse-led diabetic follow-up clinic versus conventional care: A randomized controlled trial	420000
15	Dr Sanjeev Kishore Professor & Head Department of Pathology and Laboratory Medicine All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK)  Email: sanjeevkishore4u@yahoo.com Mob: 9837203024	Association of human papilloma virus infection and tobacco use in squamous cell carcinoma of head and neck along with profiling based on associated proteins and miRNA alterations	481500

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16	Dr Deepa Rawat Assistant Professor Soil Science Section College of Forestry VCSG Uttarakhand University of Horticulture and Forestry Ranichauri Tehri (UK)  Email: rawatdeepa291@gmail.com Mob: 9410325219	Evaluating the potential of biochar produced from locally available bio-residues as amendment for acidic soils of different land uses of Tehri district	246600
17	Dr Vinod Kumar Bhatt President/ Director Biodiversity and Agriculture Uttara Resource Development Society (URDS) Opp Balaji Petrol Pump, Arkedia Grant PO- Badowala Dehradun-248007 (UK)  Email: vinodkbhatt@gmail.com Mob: 9412998158	Biodiversity for mitigation and adaptation of climate change and creating resilience for sustainable agriculture in Uttarakhand	418400
18	Lt. Col. Dr Latika Mohan Professor and Head Department of Physiology All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK)  Email: latikamohan@gmail.com Mob: 9760058268	High altitude adaptation in Bhotias of Uttarakhand- A pilot study	719775

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19	Dr Suman Singh Assistant Professor Department of Food Engineering Institute of Food Science & Technology VCSG University of Horticulture & Forestry Mazri Grant, Doiwala Dehradun (UK)  Email: simanki.singh27@gmail.com Mob: 7464862009	Utilization of crop waste generated in Uttarakhand State for development of novel sustainable packaging material for fresh agriculture produce	196400

