

UTTARAKHAND STATE COUNCIL FOR SCIENCE & TECHNOLOGY
DEPARTMENT OF SCIENCE & TECHNOLOGY, GOVERNMENT OF UTTARAKHAND

VIGYAN DHAM, Jhajra, Dehradun

Website :www.ucost.in

U-COST Sponsored R&D Projects - 2018-2019

SINo	P.I. name & Address	Project title	Amount Sanctioned (in Rs)
1	Dr S. Suresh Kumar Professor and Director Department of CSE TULAS - the Engineering and Management Institute Dhoolkot, Selaqui Dehradun-248197 (UK) Email: director@tulas.edu.in Mob: 9449357416	SMART Grid Computing using recommender system for predicting LCA of cordyceps-sinensis mushroom	2,94,400
2	Dr Swathi Chacham Additional Professor & HOD Pediatrics Department of Pediatrics (Neonatology) All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK) Email: swathi.m.lahiri@gmail.com Mob: 9849447306	Prevalence of 563 C - T& 131 C->G G6PD polymorphisms in term & late preterm neonates with significant unconjugated hyperbilirubinemia from a tertiary level care neonatal unit in Uttarakhand	3,77,500
3	Dr Nishith Govil Associate Professor Department of Anesthesiology All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK) Email: nishithgovil@rediffmail.com Mob: 8126101759	A prospective observational study: assessing functional capacity to predict 90-day mortality and/ or morbidity after major non-cardiac surgery in a cohort of hilly population of Uttarakhand	4,25,000

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4	Dr Nitin Kumar Assistant Professor (Grade-II) Department of Computer Science and Engineering National Institute of Technology Srinagar (UK) Email: nitin@nituk.ac.in, nitin2689@gmail.com Mob: 7060469740	Development and analysis of cancelable biometric template generation for person identification	1,54,500
5	Dr Sona Kaushal Gupta Director PARI Foundation A-103, Alakhnanda Apartments Rajpur Road Dehradun (UK) Email: sonakaushal11@gmail.com Mob: 9897771600	Pilot study of evaluate mental health of school going students and study incidence of substance abuse in adolescents in and around Dehradun	2,04,000
6	Dr Ranjeeta Kumari Associate Professor Department of Community and Family Medicine All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK) Email: rkaiims2012@gmail.com Mob: 9760244111	Assessment of health related quality of life (HRQoL) and physical activity, fitness, dietary pattern and screen time as its correlates among school going adolescents in Garhwal division of Uttarakhand	6,03,500

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7	Dr Sabarinath Scientist Division of Virology Indian Veterinary Research Institute Mukteswar-263138 Nainital (UK) Email: vetmannuthy980301@gmail.com Mob: 9567934950, 9074880394	Mapping of various agro-climatic regions of Uttarakhand based on leptospiral serovars and Development and Evaluation of rapid spot test for serodiagnosis	3,32,280
8	Dr Vandana Kumar Dhingra Associate Professor Department of Nuclear Medicine All India Institute of Medical Sciences (AIIMS) Rishikesh Dehradun (UK) Email: modisbanu@yahoo.com Mob: 9458121109	A study to evaluate the potential of clinical utilization of the novel Thermal Imaging and Thermal/ Radioisotope Dual Imaging in various clinical Conditions: Setting up of Thermal- Radioisotope Imaging Nodal Center (TRINC)	3,78,000
9	Dr K.C. Bhatt Secretary Society for Himalayan Agriculture and Rural Development (SHARD) Village- Nakot, Ward No-4 Nagar Panchayat Augustyamuni Rudraprayag-246421 (UK) Email: kcbhatt5@gmail.com Mob: 9997565704	Cultivation of traditional cash crops and manufacturing their high value products through resource centre	9,81,000
10	Dr Naveen Kumar Navani Associate Professor, Department of Biotechnology, Indian Institute of Technology Roorkee, Roorkee, Haridwar (UK) Email: navinfbs@iitr.ac.in Mob: 9761473482	A field survey of ethnic fermented food and beverages of Uttarakhand	4,15,500

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11	Dr Bhanu Duggal Professor & Head Department of Cardiology All India Institute of Medical Sciences Rishikesh Dehradun (UK) Email: bhanuduggal2@gmail.com Mob: 9411192031	To study the genetic polymorphism of ABCB1, CYP2C19 and P2Y12 genes and the clinical efficacy of clopidogrel in the inhabitants of Uttarakhand	4,39,000
12	Dr Vartika Saxena Professor & Head AYUSH department All India Institute of Medical Sciences Rishikesh Dehradun (UK) Email: dr_vsaxena@rediffmail.com Mob: 8475000294	Prevalence, pattern and prevention of skeletal and dental fluorosis in district Rudraprayag, Uttarakhand	2,46,000
13	Dr Varun Sharma Assistant Professor Department of Mechanical and Industrial Engineering Indian Institute of Technology Roorkee Roorkee Haridwar (UK) Email: varuns.fme@iitr.ernet.in Mob: 9990912264	Implications of 3D printed bio-ceramic based scaffold logistics in Uttarakhand	1,84,000
14	Dr Vivek Kumar Associate Professor Department of Biosciences Swami Rama Himalayan University Swami Ram Nagar Jolly Grant Dehradun (UK) Email: vivekkumar@srhu.edu.in Mob: 8630838763	Enhancement of bioavailability of iron and zinc in finger millet using endophytes	4,07,450

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15	Dr Nikku Yadav Assistant Professor Department of Community Medicine Swami Rama Himalayan University Swami Ram Nagar Jolly Grant Dehradun (UK) Email: nikkuyadav@srhu.edu.in Mob: 9711197679	Establishment of population-specific reference range of thyroid hormones in iodine deficient population during pregnancy: Uttarakhand Himalaya	3,53,850
16	Dr Hemwati Nandan Assistant Professor Department of Physics Gurukula Kangri Vishwavidyalaya Haridwar (UK) Email: hnandan@associates.iucaa.in Mob: 7017907069	Gravitational lensing and black hole shadows	1,44,000