

SPONSORED RESEARCH AND EXTENSION PROGRAMME



Projects Sponsored by JK Science Technology and Innovation Council For a period of 2 years 2021 and 2022

S.No	Name of Principal Investigator with Contact Details E-mail /cell No.	Institution / Organization	Title of the Project Proposal
1	2	3	4
1	Prof. Gh. Jeelani, Head of Department, geojeelani@kashmiruniversity.ac.in	Earth Sciences, School of Eath and Environmental Sci- ences Hazratbal Srinagar	Slope Stability Assessment of Road Cuts Along Jammu Srinagar National Highway
2	Dr.Yudhbir Singh, Assistant Professor 9419124021 yudhbirjammu@gmail.com	Department of Geology, University of Jammu, Jammu	Identification of Active fault segments vis-à-vis potential landslides along the Mughal road, J&K , A sustainable development perspective
3	Prof. S.K Pandita, Professor, sundeep. pandita@gmail.com / 9419137162	Department of Geology, University of Jammu, Jammu	Geomorphic and Palaeoseismic studies along the Kisht- war Strike-Slip Fault, Kishtwar Region
4	Dr. Zahoor Ahmad Pampori, Prof./ Chief Scientist drzap64@gmail.com & drzap64@skuastkashmir.ac. in 0194-2262458 (office)	Division of Veterinary Physiology, Sher-e-Kashmir Uni- versity of Agricultural Science & Technology of Kashmir (SKUAST-K) Shuhama, Srinagar	Circadian bias in immune responses : immune -endo- crine interplay in cattle
5	Dr. Dilruba Hasin, Associate Prof., dha- sin7@gmail.com 9419354608 / 0194-2262458 (O)	Division of Veterinary Physiology, Sher-e-Kashmir University of Agricultural Science & Technology of Kashmir (SKUAST-K) Shuhama, Srinagar	Effect of Dandelion / Haandh (Taraxacum officinate) supplementation during puerperium period on reproduc- tive performance and milk yield in crossbred dairy cattle in Kashmir
6	Dr. Shahzada Mudasar Rashid, Asstt. Prof., muda- sir@skuastkashmir.ac.in/ 9622464045	Deptt. Of Veterinary Biochemistry, Sher-e-Kashmir Uni- versity of Agriculture Sciences & Technology of Kash- mir	Development of Diagnostic and Therapeutic Protocols for Advanced pregnancy Related Recumbancy in cows of North Kashmir
7	Dr. Ovais Aarif, Asstt., Professor ovaisaarif@gmail.com 7006563675	Deptt. Of Division of Veterinary Physiology, F.V.Sc. & A.H. Shuhama, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K)	Deciphering herbal galactogogues-an innovative tech- nology to increase milk production in dairy cattle in temperate Kashmir
8	Dr. showkat UI Nabi, Asstt. Professor dmmakhdoomi@gmail.com / 911942262212	Deptt. Of Veterinary Medicine Ethics and Jurisprudence, F.V.Sc and A.H, Sher-e-Kashmir University of Agricultural Science & Technology of Kashmir (SKUAST-K)	Ethno-veterinary survey and evaluation of unexplored herbal remedies from Himalayan areas of Gurez
9	Dr. Shah Jahan Wani,Asstt. Professor Drsjwani@gmail.com 7006976696	Sri Pratap College M.A Road Srinagar	Applications of Cellular Automata in Image Analysis and Quantum Dot Nano - Structures
10	Prof. S Muzaffar Ali Andrabi , Dean School of Engi- neering, muzaffar2000@ gmail.com / 9419009372	Institute of Technology, Zakura Campus, University of Kashmir.	Synthesis and Characterization of Bimetallic Nanoparti- cles and Treatment /Purification of Water using Modified and Unmodified Bimetallic Nanoparticles
11	Sh. Ashaq Hussain Dar, Joint Director / Office in-charge (NIELIT) Srinagar, ashiq@nielit.gov.in / 94190008345	Deptt. Of Technical, National Institute of Electronics and Information Technology (NIELIT) Srinagar / Jammu	Applied Research in Design and Development of Predic- tion of Nutrients (N, P,K) in soil using Color Sensor with GIS
12	Dr. Mohd Hanief, Asstt. Professor haniefdu@gmail.com 78889584665	Department of Botany, Baba Ghulam Shah Badshah Uni- versity, Rajouri	Assessing the Floristic Diversity and Ecosystem Level Carbon Sequestration Potential of Pir Panjal Region of Rajouri, J&K
13	Shujaat Hussain, Asstt. Professor shujaabuch@ gmail.com 91-9469153304	Deptt. Of Civil Engineering, Islamic University of Science & Technology (IUST) Awantipora J&K	Effective Thermal Insulation of Contemporary Houses in Kashmir
14	Dr. Shabir Ahmad Parah, Sr. Asstt. Professor shabireltr@gmail.com / 91956529991	Deptt. Of Electronics & IT, University of Kashmir, Hazrat- bal Srinagar (J&K)	Development of Lightweight security algorithms for IOMT based smart health applications
15	Dr. Burhan Khurshid, Asstt. Professor burhan32.lust@gmail.com / 9797875163	Deptt. of Electronics and Communication Engineering, National Institute of Technology, Srinagar	Design and Development of Low- Memory Discrete Wavelet Transforms for low-cost IoMT Devices
16	Dr. Liyaqat Nazir, Asstt. Professor liyaqat_02phd13@nitsri.net/ 919682544371	Deptt. Of Electronics and Communication Engineering, Islamic University of Science and Technology, Awantipora	A Computer Vision based Real-Time portable fruit grad- ing and sorting system through quality evaluation and classification
17	Dr. Farida Khursheed, fklone@nitsri.net 6005041584	National Institute of Technology Srinagar, Hazratbal	Recognition of Identical Twins Using fusion of Multi- Bio- metric Traits
18	Dr. Parvinder Kumar, Sr. Asstt. Professor pa- ryinderkb2003@gmail.com 9419195384	Department of Zoology University of Jammu	Molecular genetic study of Kidney stone (Nephrolithiasis) in Jammu region of J&K UT
19	Dr. Shahkar Ahmad Nahvi, Asstt. Professor s.a.nahv@gmail.com 919797836555	Deptt.of Electrical Engineering, Islamic University of Sci- ence and Technology, Awantipora	Design and Analysis of a Bag Value Mask based Frugal Ventilator
20	Dr. Zamrooda Jabeen, Asstt. Professor zjabeen19@nitsri.net 7889301990	Deptt. Of Mathematics, National Institute of Technology (NIT) Srinagar, Hazratbal	Towards Prevention of Counterfeiling Saffron Quality by Smart Contract : A way Froward Through Blockchain
21	Dr. Saad Parvez, Associate Professor saadparvez@nitsri.ac.in 9797757234	Deptt.of Mechanical Engineering and Head, Innovations, Incubation & Entrepreneurship Development Center (HED Center) National Institute of Technology Srinagar	Identification and Ergonomic Design Interventions, of musculoskeletal disorders in Carpet industrial workers of Kashmir
22	Dr. Sheikh Javed Iqbal, Associate Professor jvd@nitsri.net 9419984644	Deptt. Of Electrical Engineering, National Institute of Technology (NIT) Srinagar, Hazratbal	Transition towards clean, affordable and reliable electrici- ty from the Renewable Energy based Distributed Genera- tion resources for residential building electrification
23	Dr. M. S. Charoo, Asstt. Professor shaficharoo123@nitsri.net 9797793483	Deptt. Of Mechanical Engineering Department, National Institute of Technology Srinagar	Development & Tribological Testing of Nanolubricants for automotive Applications
24	Dr. Altaf Ahmad Bhat, Asstt. Pofessor altaf.u786@gmail.com 7006503781	Deptt. Of Mathematical Sciences, Islamic University of Science and Technology, Awantipora	A Study of hasic hypergenmetric functions and their ap- plications with special reference in Integral Transfurms
25	Dr. Qudsia Gani, Asstt. Professor qudsiagani6@gmail.com 9797702166	Deptt. Of Physics, Womens College M.A. Road Srinagar	Neutrino Interactions: Flux and Cross -sections Measure- ments
26	Dr. Ahmed Sharique Anees, Asstt. Professor shariq.anees@islamicuniversity.edu.in 9911793321	Deptt. Of Electrical Engineering, Islamic University of Science & Technology Awantipora	Development of Green Technology based hybrid Space Heating system for Kashmir Valley
27	Dr. Salman Ahmad, Asstt. Profes- sor salman.ahmad@islamicuni- versity.edu.in 9149648984	Deptt. Of Electrical Engineering, Islamic University of Science & Technology Awantipora	Design and implementation of reduced switch count multi level inverter for unified power flow controller solar intermittency and power quality
28	Dr. Shaima Qureshi, Asstt. Porfessor shaima@nitsri.ac.in 7006512314	Deptt. Of Computer Science & Technology, National Insti- tute of Technology, Srinagar.	Effect of IoT Enabled farming infused with AI based Early disease detection on Apple production with particular focus on J&K
29	Er. Shafat Ahmad Khan, Asstt. Professor shafat.khan43@gmail.com 9596228774	Deptt. Of Food Technology, Islamic University of Science & Technology Awantipora	Design and Development of Phase Change Material Ma- terial based Greenhouse Solar Dryer for Walnut Drying
30	Dr. Riaz Ahmad Khan, Asstt. Professor riaz.khan@islamicuniversity.edu.in 7006110081	Deptt. Of Electronics, and Communication Engineering, Islamic University of Science and Technology, Awantipora	A Light Weight Security Mechanism for IoT based Health- care Systems

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31	Dr. Khurshed Ahmad Shah, Asstt. Porfessor drkhursheda@gmail.com 91-7006875969	Deptt.of Nano-Technology, University of Kashmir.	Modelling and Simulation of Silicene Nanoscale Electronic Devices and Their futuristic Applicatons
32	Dr. Bilal Ahmad Malik, Scientific Officer, bilalmalik@kashmiruniversity.ac.in 9149511050	Deptt. Of Electronics and Communication Engineering Institute of Technology Zakura Campus University of Kashmir	Early Detection and Efficient Prevention of Breast Cancer Using Machine Learning Techniques.
33	Dr. Feroz Ahmad Mir, Asstt. Professor famirnit@gmail.com 917780887961	Department of Physics, Baba Ghulam Shah Badshah University	Synthesis and characterization of Dye Sensitive Solar Cells (DSSCs) based on natural dyes available in the region
34	Dr. Sandeep Arya, Asstt. Professor snp09arya@gmail.com 9419156254	Department of Physics, University of Jammu	Synthesis and characterization of Nickel based nanowires for developing self-charged supercapacitors
35	Dr. Roohi Mushtaq, Sr. Asstt. Professor rohikhan400@gmail.com 773869	Biotechnology and Bioinformation, Sri Pratap College, Cluster University Srinagar	Metabolite Profiling of some Important Medicinal Plants of Jammu and Kashmir
36	Dr. Yash Pal Sharma, Professor yashdbm3@yahoo.co.in / 9419157412	Department of Botany, University of Jammu	Database Development on Diversity and ethnomycology of wild edibel mushrooms in Bhadarwah forest division, J&K
37	Dr. Harish Chander, Asstt. Professor harishchander@jammuuniversity.co.in	Department of Botany, University of Jammu	Status survey eco-taxonomy and ecological modelling of Doctylorhiza hatagirea (D.Don) Soo in J&K
38	Dr. Samantha Vaishnavi, Asstt. Professor samanthavaishnavi@gmail.com 91-94191-65680	Central University of Jammu	Effect of Developmental Activities on Vegetation Composition and Floral Diversity in District Samba
39	Dr. Ankit Kathuria, Asstt. Professor writetokathuria@gmail.com / ankit.kathuria@iitjammu.ac.in 91-8447871233	Department of Civil Engineering, Indian Institute of Technology Jammu (IIT Jammu)	Developing Driver Behaviour Profiling Criteria for Improving Matador Driver Behaviour
40	Dr. Ajaz A. Wani, HOD, Zoology, drajazwani@rediffmail.com 9797588390/ 9419110443	Department of Zoology, Govt. Degree College Doda	Study on Knowledge, Survey and Awareness about Tuberculosis in Chenab region of Jammu & Kashmir
41	Dr. Mushtaq Ahmad Rather, Associate Porfessor marather@nitsri.ac.in 8803970037	Deptt. Of Chemical Engineering, National Institute of Technology Srinagar	Reduction of open smoke emissons in traditional earthen cook stove (chulha) in rural areas of Kashmir
42	Dr. Javaid Iqbal, Senior Asstt. Professor iamjavaid@gmail.com 91-7006436048	P.G Deptt. Of Computer Sciences, Universityof Kashmir, Hazratbal Srinagar	Algorithm Design and Mathematical Mudelling of Software Testing Effort Consumption
43	"Mir Aijaz Ahmad, Sr. Assistant Professor miraijazahmadcivil@gmail.com 9469633997"	Department of Civil Engineering ,Islamic University of Science & Technology	Passive Noise Control- Acoustical properties of material and its applications
44	Dr. Parvaze Ahmad Sofi, Assoc.Professor parvazesofi@gmail.com 7006659749	Genetics & Plant Breeding, Sher-e-Kashmir University of Agricultural Science & Technology of Kashmir (SKUAST-K), Wadura Sopore	Harnessing Rajmash (Phaseolus vulgaris l) Landrace diversity of Kashmir for Climate Resilience
45	Dr. Asha Nabi, Asstt. Professor aishakabli@yahoo.in 9622676090	Plant Pathology, Faculty of Agriculture SKUAST- K Wadura Sopore	Climate change impact on dynamics of various diseases of cereal and pulse crops in Kashmir Valley
46	Dr. Shabir Ahmad Bhat, Asstt. Professor / Jr. Scientist, drsabseri@gmail.com 7780885407	Division of Sericulture Crop Improvement College of Temperate Sericulture Sheri-e-Kashmir University of Agricultural Science and Technology of Kashmir Mirgund Srinagar	Screening of different insect pests of mulberry and other agricultural crops for pathogenic microbes and their cross infectivity to the silkworm Bombyx mori L
47	A.M Chalkoo, Associate Professor amchalkoo@gmail.com 01952-234214 (O)	Govt. Degree College Baramulla	Prospects of Saffron Cultivation in District Baramulla
48	Dr. Humaira Qadri, Asstt. Professor qadrihumaira@gmail.com 9797794867	Deptt. Of Higher Education, Sri Pratap College Cluster University Srinagar	Development of Phytoproteins in aquatic weeds under stressful environs as tool for phytoremediation and Bio-fertilization
49	Dr. A. R. Malik, Asstt. Professor malikrashid2@gmail.com 9797711194	Deptt. Of Divison of Forest Products and Utilization Faculty of forestry, Sher-e-Kashmir University of Agricultural Science & Technology of Kashmir (SKUAST-K) Shalimar Srinagar	Ecological Niche modelling and Ex-situ conservation of Rare and Endangered Chilgoza pine (Pinus gerardiana Wall) in Indian Western Himalayas
50	Dr. Munib Ur Rehman, Associate Professor munib11.mr@gmail.com 91-8491844123	Division of Fruit Science,, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K)	Elucidating nutraceutical Properties of traditional apple cultivars of kashmiras potential functional food
51	Dr. Amir Farooq Bhat, Asstt. Professor fabamir@gmail.com 9149634303	Deptt. Of Division of Wildlife Sciences, Faculty of Forestry Benhama Ganderbal, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir Benhama Ganderbal	Climate change vulnerability and socio-socio-economic transformation in protected forest of environmentally fragile areas of Kashmir Himalayas
52	Dr. Saba Bandy, Asstt. Professor sababandy@gmail.com 09419069686	Deptt. Of Plant Pathology, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K)	Bacterial Endophytes of grapes: A new approach for bio control of diseases
53	Dr. Sajad A Ganai, Asstt. Professor ganie@gmail.com 7006877240	Deptt. Of Divisiion of Entomology, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K)	Morphological and Molecular Diversity of Fruit flies from Kashmir Himalayas
54	Dr. Sajad Mohd Wani, Asstt. Professor wanisajad82@gmail.com 9858445878	Deptt. Of Division of Food Science and Technology, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K)	Exploring the Nutraceutical Potential of Wild Edible Plants of Northern Himalayas and their Utilization for Development of Value Added Products
55	Dr. Imtiyaz Murtaza, Professor cum Chief Scientist, Head, murtazaimtiyaz18@skuastkashmir.ac.in 858705068	Deptt. Of Division of Basic Sciences & Humainties, FoH, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K)	Development of Antioxidant Rich Strawberry Powder as Value Added Product with Potent Nutraceutical Properties
56	Dr. Skarma Nonzom, Asstt. Professor skarmanunzom@yahoo.com 09419524725 / 7006552309	Department of Botany, University of Jammu	Diversity ecology and psychrozyme potential of cold tolerant cultivable fungi from high altitude cold arid regions of the trans - Himalyan region
57	Ritu Mahajan, Asstt. Professor ritufeb@gmail.com 91-9796221378	School of Bio-Technology, University of Jammu, Jammu	Development of simple sequence repeat markers in wild pomegranate and their cross species transferability
58	Dr.Khursheed Ahmad Dar, Asstt. Professor, khursheedseri@yahoo.com 9682618030	College of Temperate Sericulture CTS, SKUAST-K Mirgund, Baramulla	Sericulture-Option for Livelihood Security and Employment Generation in Tribal Areas of Kashmir
59	Dr. Shabir Ahmad Sofi, Head of Deptt. & Asstt. Professor sabir@nitsrin.net 9419009971	Deptt. Of Information Technology, NIT Srinagar Hazratbal J&K	Crop Disease Prediction using IoT Data Analytics and Machine Learning Approaches
60	Dr. Nasarul Islam, Asstt. Professor nasarul.chsf@gmail.com 7889819905, 9419345723	Deptt. Of Chemistry, Hassan Khoyihami Memorial Degree College Bandipora J&K	Multiscale Computational Studies on Optoelectronic Response of Heterostructural Fullerence Molecules (MC-SOR-HFM)

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61	Dr. Sajad Ahmad Bhat, Asstt. Professor sab-butt@gmail.com 7006937995	Deptt. Of Chemistry, Islamic University of Science and Technology, Awantipora	Fluorescence and Colorimetric Chemo-sensors for Environmental Mercury (Hg ₂) and Fluoride (F) Detection
62	Dr. Abdul Roouf Bhat, Asstt. Professor abroouf@gmail.com 9906722677	Deptt. Of GP Chemistry, Sri Pratap College Cluster University Srinagar	Targeting the Cancer and Related Diseases Growing in the Valley, Use of Natural and Synthetic Molecules as Antidotes
63	Dr. Tanveer Rasool, Sr. Asstt. Professor tanveer@nitsri.in 7006899026	Deptt. Of Chemical Engineering, National Institute of Technology Srinagar	Co-pyrolysis of Biomass waste and Municipal Waste, Product evaluation and Kinetic study
64	Dr. Hamida-Tun-Nisa Chisti, Associate Professor hamida@nitsri.net 8899907053	"Deptt. Of Chemistry, National Institute of Technology Srinagar	Synthesis, characterization and Development of Nanocomposite sensors for heavy metal ions
65	Dr. Niyaz Ahmad Mir, Asstt. Professor mirni-yaz@gmail.com 09740371146	Govt. Degree College, Anantnag	Addressing the physiochemical properties of blockbuster drugs using crystal engineering approach
66	Dr. Mohammad Hanief, Associate Professor hanief@nitsri.net 7006161837	Deptt. Of Mechanical Engineering, National Institute of Technology Srinagar	Conversion of Bio-oils cultivated in J&K to lubricants by enhancing tribological characteristics
67	Dr. Mushtaq Ahmad Tantray, Asstt. Professor varmulcollege@gmail.com 01952-234214	Deptt. Of Chemistry, Govt. Degree College (Boys) Baramulla	Design and Synthesis of Novel Benzimidazole-based Derivatives for the Development of Potent Anticancer Agents
68	Dr. Aabid Hussain Shalla, sheenf@gmail.com 919419355988	Islamic University of Science & Technology Awantipora	Nanomaterial reinforced Smart Tri-azole based Hydrogel Systems for removal of Antibiotics, Polyaromatic Hydrocarbons and Toxic Heavy Metal ions
69	Dr. Javid Ahmad Banday, Associate Professor javaidbanday@nitsri.net 9906626635	Deptt. Of Chemistry, National Institute of Technology Srinagar	Synthesis of Natural Product Based Polymer Composites as Potent Anti-microbial Entities
70	Dr. Monika Gupta, Sr. Asstt. Professor monika.gupta77@rediffmail.com 9419623841	Department of Chemistry, University of Jammu, Jammu	Fabrication characterization of modified grapheme based nanocatalysts and investigation of their catalytic potential in organic transformations
71	Dr. Gowhar Hamid Dar, Asstt. Professor dargowharhamid@gmail.com 7006082223	Deptt. Of Higher Education, Sri Pratap College, School of Sciences for Cluster University Srinagar	Evaluating the mechanism and devising possible control measures of disease incidences in fish fauna of Trans- Himalayan environs for enhancing the quality and productivity
72	Dr. Fayaz Ahmad, Professor & Head, rajafayazali@gmail.com, 7006725416	Deptt. Of environmental Science, University of Kashmir, Hazratbal Srinagar (J&K)	Evaluation of Physiological, immunological and parasitological factors of native and exotic fishes as an environmental risk assesment (ERA) tools of some water bodies of Kashmir Valley
73	Dr. Imtiyaz Qayoom, Asstt. Professor drim-tiyazqayoom@skuastkashmir.ac.in 9419022770	Aquatic Environment Management, Sher-e-Kashmir University of Agricultural Science & Technology of Kashmir (SKUAST-K)	Evaluation and Bio-concentration of Pesticides in Dal and Anchar Lakes of Kashmir Himalayas
74	Dr. Tariq Hussain Bhat, Associate Professor, tariqhussain@skuastkashmir.ac.in /9906546997	Deptt.of Division of Post-Harvest Technology faculty If Fisheries, Rangil, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir (SKUAST-K)	Quality evaluation of fish and fish products available in Kashmir valley
75	Dr.Piyush Malaviya, Professor piyushmalaviya@rediffmail.com/ piyushmalaviya@rediffmail.com 9419106740	Department of Environmental Sciences, University of Jammu	Optimizing fertigational quality of distillery waste water for agricultural use with special reference to Pisum sativum L
76	Dr. Deepika Slathia, Sr. Asstt. Professor dsen-viron2012@gmail.com 9419146611	Department of Environmental Sciences, University of Jammu, Jammu	Ecological and Socio-Economic valuation of some riverine wetlands of Jammu for conservation and sustainable use
77	Dr. Mohammad Yaqoob Lone, Asstt. Professor varmulcollege@gmail.com 01952-234214	Govt. Degree College (Boys) Baramulla	Evaluation of edible mushroom (Tremella fuciformis & Pleurotus cystidiosus) as antidiabetic potential in streptozotocin induced diabetic mice
78	Dr. Showkat Ahmad Ganai, Assistant Professor showkatganie@kashmiruniversity.ac.in 91-9419972678	Department of Clinical Biochemistry, University of Kashmir, Hazratbal Srinagar (J&K)	Oxidative stress and diabetes, a correlated study by using active extract of Inula obtusifolia
79	Dr. Mohd Ashraf Ganie, Professor ashraf.endo@gmail.com 91-9419041546, 91-9968856888	Deptt. Of Endocrinology, Sher-i-Kashmir Institute of Medical Sciences, Srinagar	Evaluation of Clinical, Metabolic, and Genetic Determinants of family members of women with PCOS in the background of highly consanguineous population
80	Dr. Ghulam Hassan Dar, Asstt Professor ghbio-chm@gmail.com 6005906518	Deptt. Of Biochemistry, Govt. Degree College Bandipora, Hassan Khoyihami Memorial Degree College Bandipora J&K	Evaluation of various environmental and biological factors responsible for widespread occurrence of thyroid disorders in Jammu Kashmir
81	Dr. Amatul Muhee, Associate Professor / Senior Scientist, amatulmuhee@gmail.com 7006401598	Division of Clinical Veterinary Medicine, FVSc & AH, Shuhama, Alusteng, Sher-e-Kashmir University of Agricultural Science & Technology of Kashmir (SKUAST-K)	Molecular identification and characterization of antimicrobial resistance genes of bacteria isolated from cases of Bovine Mastitis in Kashmir valley
82	Dr. Adfar Yousuf, Asstt. Professor adfar@rediffmail.com 9906644882	Deptt. Of Biotechnology, Sri Pratap (SP) College, Cluster University Srinagar	Role of CXCL1-CXCR2 and CXCL8-CXCR2 chemo-kine-chemokine receptor axis in the pathogenesis of gastric cancer in Kashmiri Population
83	Dr. Tabasum Ismail, Deptt. Of Chemical Sciences, tabsismail@gmail.com 09419482354	Deptt. Of Chemical Sciences, Sri Pratap (SP) College, Cluster University Srinagar	Design and synthesis of novel multi-target-directed coumarin derivatives as potent anti-alzheimer and antioxidant compounds
84	Prof. Mohammad Afzal Zargar, Professor, zargarma@gmail.com 9419016466	Deptt. Of Biotchnology, Central University of Kashmir Ganderbal	Development of Creams Containing Broad Acting chelating Agents for the Topical Treatment of Wounds
85	Prof. Masood Tanvir, Professor & Head, masoodtanvir@gmail.com 9419002644	Deptt. Of Medicine GMC, Government Medical College Srinagar	Evaluation of Corticosteroids Vs Pirfenidons therapy for preventing the pulmonary fibrosis in severe COVID-19 pneumonia patients
86	Dr. Abid Hamid Dar, Associate Professor abidhamid@cukashmir.ac.in 91-9419245425	Deptt. Of Biotechnology, Central University of Kashmir Ganderbal	Modulation of PI3K-AKT-mTOR- axis mediated microenvironment in the gastric cancer development via selective virulent factors of H. pylori strains for possible therapeutics
87	Dr. Manzoor Ahmad Mir Sr. Assistant Professor / Head drmanzoor@kashmiruniversity.ac.in 9622901319	Deptt. Of Bioresources, University of Kashmir, Hazratbal Srinagar (J&K)	Targeting drug resistant cancer stem cells by combinational delivery of Paclitaxel and Quercetin/Zerumbone in breast cancer
88	Dr. Hilal A Makroo, Asstt. Professor hilalmakroo@gmail.com 91-9435285672	Deptt. Of Food Technology, Islamic University of Science and Technology, Awantipora	Extraction characterization and antimicrobial activity of walnut hull : Studies on its food and non food applications

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89	Dr. Asif M. Iqbal qureshi, Asstt. Professor as-ifquresh@gmail.com 7889365151	Deptt. Of Genetics & Plant Breeding, Sher-e-Kashmir University of Agricultural Sciences & Technology of Kashmir Shalimar (SKUAST-K)	Saffron Improvement for Yield and Quality - The Heritage Crop of Jammu and Kashmir
90	Dr. Hidayatullah Tak, Sr. Asstt. Professor drhidayatattak@yahoo.com 9419456456	Deptt. Of Zoology, University of Kashmir, Srinagar	Hydatidosis in Kashmir valley: An urgent need for its control & management
91	Dr. Muzamil Ashraf Makhdoomi, Asstt. Professor muzamilbiochem@gmail.com 9149678723	Deptt. Of BioChemistry Govt. College for Women, M.A. Road Srinagar	Prevalence and Genetic Susceptibility to thyroid disorders among female students of Srinagar Colleges
92	Dr. Mohd Altaf Bhat, Asstt. Professor altafbhat@uok.edu.in 9797862135 / 9797862135	Deptt. Of Biotechnology, Government Medical College Srinagar	Elucidation of the Epigenetic Landscape of Type 2 Diabetes & Telated complications in Kashmir Population
93	Prof. Dr. Nahida Tabassum, Professor & Head, n.tabassum.uk@gmail.com	Deptt. Of Pharmaceutical Sciences, University of Kashmir Hazratbal Srinagar	Evaluation of Hepatoprotective Potential of Some Promising Locally Available Natural Herbs
94	Dr. Sobia Nisar, Assistant Professor sobianisar78@gmail.com 9999735118	Deptt.of Medicine, Govt. Medical College, SMHS Hospital Srinagar, J&K	Evaluation of Prevalence, risk factors and contribution of SLC29A2 and SLC19A3 polymorphism in thiamine deficiency in pregnancy and lactation and asesment of the optimal dose of thiamine for treating the thiamine deficiency states
95	Dr. Rakesh Kumar, Asstt. Professor rakeshpanjaliya@jammuuniversity.ac.in; Panjaliya82@gmail.com 9419155790	Department of Zoology University of Jammu	Micro RNAs expression profiling for exploring their potential use as diagnostic molecular biomarker in human prostate cancer
96	Dr. Rakesh Kumar, Sr. Asstt. Professor, drrakeshthusoo@gmail.com 9419279629	Shri Mata Vaishno Devi Univesity Kakryal Katra Jammu	To study the genetic patterns among different cancers in Jammu & Kashmir Population India
97	Dr. Arif Tasleem Jan, Asstt. Professor atasleem@gmail.com / atasleem@bgsbu.ac.in 7006716454	School of Bio-Sciences & Bio- Technology, Baba Ghulam Shah Badshah University, Rajouri	Pharmaco-therapeutic evaluation of medicinal plants of Pir Panjal region for elucidating their efficacy and possible mechanism of action in the treatment of waterborne infectious diseases
98	Dr. Nisha Kapoor, Asstt. Professor nisha2208@gmail.com 9622049666	School of Bio-Technology, University of Jammu, Jammu	Screening of Potential genes for their tag SNPs that are responsible for susceptibility to Schizophrenia and generation of LD maps in Dogra population of Jammu region
99	Dr.Asif Ali Banka Asstt. Professor asifbanka@icloud.com 8803002995/ 9419589901	Deptt. Of Computer Science and Engineering, Islamic University of Science & Technology Awantipora J&K	An Approach to model Covid-19 outbreak
100	Dr. Assif Assad, Asstt. Professor assifasad@gmail.com 917889589200	Deptt. Of Computer Engineering, Islamic Universtiy of Science and Engineering Awantipora J&K	Using Longitudinal data for Early Detection and Progress Mointoring of Alzheimer's Disease
101	Dr. Tawseef Ahmed Teli, Asstt. Professor mtawseef805@gmail.com 7006447562	Deptt. Of Computer Sciences, Amar Singh College Cluster University Srinagar	A Fuzzy GRA/AHP based Comprehensive Analysis of Opportunitites, Challenges and Implementation of IoT with an Indian Perspective
102	Prof. A. Arif Wani, Professor, awani@uok.edu.in 7006276302	P.G Deptt. Of Computer Sciences, University of Kashmir, Srinagar (J&K)	Smart Apple Disease Detection (SADD): A Deep Learning based smart android app for identification of Apple diseases
103	Dr. Kaiser Javeed, Asstt. Professor kaiser.giri@islamiccuniversty.duc.in 9419167696	Deptt. Of Computer Science, Islamic University of Science & Technology Awantipora	Design and Development of Domain Specific Machine Translation System for Kashmiri Language
104	Zahoor Ahmad Ganie, Asstt. Professor zahoor.fifi@gmail.com 7006652445	Deptt. Of Electrical Engineering, Islamic University of Science & Technology Awantipora	Data Gathering Analysis and Protection of Privacy through Randomized Respose Algorithm
105	Dr. Roohie Naaz, Asstt. Professor naaz310@nitsri.net 7006687815	Deptt. Of Computer Science & Technology, NIT Srinagar Hazratbal J&K	Risk analysis of Post COVID-19 symptoms using Artificial Intelligence
106	Mr. Idris Afzal Shah, Asstt. Professor idris-shah@yahoo.com 9596011541	Deptt. Of Computer Science and Engineering, Islamic University of Science and Technology, Awantipora	Learning Drug Associations Using Convolutional Neural Networks
107	Dr. Sajid Yousuf Bhat, Asstt. Professor bhatsajid@uok.edu.in 9070142309	Deptt.of P.G Computer Sciences, University of Kashmir Hazratbal Srinagar	Computer Numerical Control Machine for Making Small Woodcarving Articles
108	Dr. Muzafar Rasool, Asstt. Professor muzafar.rasool@islamicuniversity.eud.in 8825069068	Deptt.of Computer Sciences, Islamic University of Science and Technology, Awantipora	Authenticating Kashmiri Pashmina Using Deep Learning (Artificial Intelligence)
109	Mr. Adil Bashir, Asstt. Professor adilbashir.445@gmail.com 9797544265	Deptt. Of Computer Science Engineering, Islamic University of Science and Technology, Awantipora	Smart and Secure Healthcare System for Patient Monitoring and Diagnosis of Diseases in intergrated IoT and fog computing environments
110	Dr. Manmeet Singh, Asstt. Professor msingh@bgsbu.ac.in 9797658158	Department of Information Technology & Engineering, Baba Ghulam Shah Badshah University Rajouri	Development of Blockchain based Smart Electricity Monitoring and Measurement System for Smart Cities
111	Dr. Ahsan Hussain, Asstt. Professor ahsan.hussain@islamicuniversity.edu.in 91-9039920998	Computer Science and Engineering, Islamic University Science and Technology, Awantipora	Blockchain University : An immutable e-learning assessment platform using blockchain



LAUNCHING OF INNOVATION CHALLENGE



S. No.	Name of Innovator	Innovation Title
01.	Ishfaq Ahmad Email ishfaqwani9999@gmail.com	Apple Catcher
02.	Dr Barkat Hussain Email bhatbari@rediffmail.com	Pheromones for the future and other non chemical approaches
03.	Wardahshah Email shahwardah94@gmail.com	Service and Product based company for all the indoor and outdoor landscaping needs
04.	Saliqasalwath Email saliqa.salwath@gmail.com	Up-scaling of low cost light traps and other non chemical approaches for turf grubs in Royal Spring Golf Course and other non chemical approaches for their management
05.	Bushra Chowhan Email bushrachowhan341@gmail.com	Fabrication of affordable UN-Chamber for killing Covid 19 using locally available UV-Lamp
06.	Dr Sarabjeet Singh Email sarbjeet.gcet@gmail.com	Industry 4.0 and SMEs..an Innovation for the improvement of SMEs in North India with specific consideration to Industry 4.0 design principles
07.	Wani Sageer Email wanisageer@gmail.com	Development of low-cost effective Goniometer
08.	Akshay B Email akshay2020mschmo14@nitsri.net	Development of low-cost spin coater
09.	Dr Nasarual Islam Email nasrul.chst@gmail.com	To provide functional data base on mathematical description and stimulations for stoppage to Covid 19 spread
10.	Jawaaz Ahmad Email jawaaz.ab6@gmail.com	Design and Fabrication of low-cost PAPER for medical practitioner

IN PICTURES



ACTIVITIES IN-FOCUS

GDC Chenani initiates survey on Research Project awarded by JKSTIC

EARLY TIMES REPORT

UDHAMPUR, Apr 14: Government Degree College (GDC) Chenani initiated the work on the research project entitled "Hydro-chemical impact assessment, study of anthropogenic pressure and mass public awareness on protection of Devika stream and adjoining underground sources of water (Bowlis) at District Udhampur, (J&K)" awarded to the College by the J&K Science, Technology and Innovation Council (JKSTIC), Dept. of Science & Technology, Govt of J&K. The Principal Investigator of the Project, Dr Pragma Khanna visited the proposed research area along with her team.



A view of research area.

the holy Devika stream and its ecosystem as the water body and the environment is being polluted by multiple sources. The team identified the key sources of pollution, viz poor land use, unplanned construction in the surrounding, discharge of untreated sewage, organic waste, polythene bags and temple discards into the water, over-exploitation of the water body and

anthropogenic pressure, coupled with weak local authority services viz a viz control and awareness issues.

Dr Pragma Khanna, PI of the Project said that the findings from this survey could be used to detect disease risk factors for public health prevention policies and programs. She further added that the project would be divid-

ed into five important phases, project initiation, project planning, project execution, project monitoring, and project closure. Since the area serves the purposes of adding aesthetical value, water conservation and groundwater recharge, green space, recreational hotspots, temperature regulation, biodiversity hotspot, besides economic benefits to the locals, it is imperative to protect it in the urban environment of the Udhampur town. This preliminary perception survey was conducted with the purpose of using limited resources and time to better understand the technical, logistical, training and other needs required for the formal performance to be planned and executed during the project implementation.

GDC Chenani initiates survey on research project awarded by JKSTIC

STATE TIMES NEWS

CHENANI: Govt. Degree College, Chenani initiated the work on the research project entitled "Hydro-chemical impact assessment, study of anthropogenic pressure and mass public awareness on protection of Devika stream and adjoining underground sources of water (Bowlis) at Dist. Udhampur, (J&K)" awarded to the College by the J&K Science, Technology and Innovation Council, Dept. of Science & Technology, Govt. of J&K. The Principal Investigator of the Project, Dr. Pragma Khanna visited the proposed research area along with her team.

to restore the holy Devika stream and its ecosystem as the water body and the environment is being polluted by multiple sources. The team identified the key sources of pollution, viz., poor land use, unplanned construction in the surrounding, discharge of untreated sewage, organic waste, polythene bags, temple discards into the water, over-exploitation of the water body and anthropogenic pressure, coupled with weak local authority services and awareness issues.

Despite of a lot of efforts of the Govt. this sacred river is still grappling with water pollution coming from residential areas situated nearby it. The same group

of researchers about a decade ago have already proven that high rate of discharge, poor management of dumping of solid and liquid wastes into the potable water, and lack of strict enforcement of law are the major causes of deterioration of the water quality in the area. Water quality of Devika continues to be below the accepted minimum standards, just class -B as also the colour of its water and the smell too are below the accepted standards. If the same is not checked now, it would be too late to get this river out of the morass it has been 'pushed' into.

The present study will provide bio-monitoring and health assessment and

will help in the analysis of health hazard evaluations, epidemiology, intervention and prevention, environmental measurement and other investigations. Also, it shall provide technical assistance to the government agencies, private industry, and general public regarding the toxicological aspects of different chemicals/toxins present in water. Dr Pragma Khanna, PI of the Project said that the findings from this survey could be used to detect disease risk factors for public health prevention policies and programs. She further added that the project would be divided into five (5) important phases, project initiation, project



Principal Secy releases compendium 'Save Devika'

Executive Correspondent

JAMMU, Mar 29: Principal Secretary Higher Education, Rohit Kansal today released the final compendium on mass awareness campaigns on 'Save River Devika', compiled by Government Degree College, Chenani, today.

The 'Mass Awareness Campaign' booklet was released as part of the research project recently completed by the College under the title, "Hydro-chemical Impact Assessment, Study of Anthropogenic Pressure and Mass Public Awareness on Protection of Devika Stream and Adjoining Underground Sources of Water (Bowlis) at District Udhampur, J&K", sponsored by the J&K Science, Technology and Innovation Council (JKSTIC), Department of Science and Technology, J&K.



Principal Secretary HED, Rohit Kansal releasing final compendium on 'Save Devika' on Tuesday.

Dept. of Zoology GDC Doda organized National Science Day 2022

BY CORRESPONDENT

DODA, MAR 07

Dept. of Zoology along with other science departments under the aegis of GDC Govt. Degree College Doda, in collaboration with the sponsoring Science, Technology and Innovation Council, Dept. of Science and Technology Govt. of J&K organized National Science Day 2022 with the theme of "Integrated Approach in S&T for Sustainable Future", under the leadership of Principal GDC Doda Dr Attar Singh Kohwal. Program began with the introductory speech by Dr Attar Singh Kohwal, Principal GDC Doda, in his presidential address congratulated the Dept. of Zoology for organizing wonderful program and impressed upon the students to think and grow with the mindset of Integrated Approach in S&T for Sustainable Future Symposium



This is aptly said that Entrepreneurs with the help of the skilled staff, can employ better prospects, efficiently utilize the resources, and produce innovative goods and services. Today, India needs to create a large number of jobs each year for its people and start-up and new-age businesses can actually contribute to large-scale employment generation. For the start-ups to flourish and grow there must be perfect sync between visionary entrepreneurs and technically skilled workforce.

GDC, Chenani initiates a program for water, conservation and "Public Awareness" on Devika river

JJ CORRESPONDENT

UDHAMPUR, MAR 14: Govt. Degree College, Chenani, under its NSS Unit 'PRAYATNA' and AKAM initiated a special programme, "SAVE DEVIKA", (Phase III) to create awareness about water conservation, abatement of pollution and the need for a mass movement to protect the Devika river and the neighbouring 'Bowlis' in the Devika complex, Dist. Udhampur. The programme focussed heavily on the need to conserve water and protect the water bodies in the including the river Devika. The Day begun with the NSS anthem sung by the NSS volunteers followed by a cleanliness drive, lectures and public awareness.

under the Research Project "Hydrochemical Impact Assessment, Study of Anthropogenic Pressure and Mass Public Awareness on Protection of Devika Stream and Adjoining Underground Sources of Water (Bowlis) at Dist. Udhampur, J&K" sponsored by the J&K Science, Technology and Innovation Council (JKSTIC), Department of Science and Technology, Jammu/Srinagar. The main purpose of the Research project is to make Devika River pollution free and to bring its pristine glory back. Even after decades, this sacred river is still grappling with water pollution coming from residential areas situated nearby it, although Dist. administration has worked a lot to bring it back to life. The present Research Project undertaken by the College



has acted as a catalyst and provided impetus to the cleanliness drive which has become a revolution in itself as more and more people are coming forward to help in various ways to clean the river Devika. Dr. Pragma Khanna, the Principal Investigator of the Project and Principal, GDC, Chenani exhorted that it was a matter of great pride for the Institution to be able to conduct research that that

SKILL, STARTUP AND ENTREPRENEURSHIP Empowering the Nation!

DR. PRAGYA KHANNA

When I, 2007 BSW has been identified by the Central Electricity Authority, The Jammu and Kashmir Lieutenant Governor Manoj Sinha on April 30 also dedicated s&T Power Infra-structure to the State. This prompted us to adopt renewable energy resources and the current budget has also emphasized the same. The benefits and 160000 people will get indirect agricultural benefits.

SKILL, STARTUP AND ENTREPRENEURSHIP Empowering the Nation!

The key benefits of Start-up India campaign are: i) Single Window Clearance even with the help of a mobile application ii) 10,000 crore fund of funds iii) 80% certification patient registration fee iv) Modified and more friendly Bankruptcy Code to ensure 90-day exit window v) Freedom from confining inspections for 3 years vi) Freedom from Capital Gain Tax for 3 years vii) Eliminating the need for 3 years viii) Eliminating the need for 3 years ix) Self-certification compliance x) Innovation hub under Atal Innovation Mission xi) Starting with 5 lakh schools to target 10 lakh children for innovation programme xii) New schemes to provide IPR protection to start-ups and new firms xiii) Encourage entrepreneurship. It can be implemented in 2020. From a strong push in retail payments and e-commerce to becoming a new-age bank, PayTM is on track to becoming one of India's most prevalent home-grown consumer technology companies.

The daily commute for most Indians hasn't evolved in a long time. While taxi apps like Uber and Ola have brought on the first stage of change, we are about to witness another paradigm shift in commuting. Startups like Shufti, CityFlo, and Indico are leading the way. Startups like Shufti, CityFlo, and Indico are leading the way. Startups like Shufti, CityFlo, and Indico are leading the way.

Who is a good plumber in my neighborhood? Where can I go to learn music? Common questions like these have long been answered by friends or family members, or by Just Dial of course. But that is the