

**List of Updated Project proposals submitted during the period 2013-14**

S.No.	Title of the Project	Submitted By	Department	Agency
1.	Seven Lok Sabha Seats and Parliamentary Elections 2014: A Factorial Analysis”	Prof. Raju Goyal	Political Science	UGC
2.	Open Access Institutional Digital Repository for University of Jammu, 2005-2012	Prof. Sangita Gupta	Library and Information Sciences	UGC
3.	Disertification Status Mapping of India (Second Cycle)	Prof. M.N. Koul (retd)	Geography	
4.	Identification and quantification of biologically active secondary metabolites from <i>Viburnum grandiflorum</i>	Dr. Madhulika Bhagat	School of Biotechnology	DRDO
6.	Cataloguing bacterial diversity in Gangotri glacier as biological indication in climate change	Dr. Jyoti Vakhlu	School of Biotechnology	DST
7	Reconstruction of Palaeoclimate and Depositional Environment across Plio-Pleistocene Succession of Upper Siwalik Subgroup, J&K: Using Stable Isotopic and Sedimentary Proxies	Dr. Som Nath	Department of Geology	SERB
8.	Paper sludge and pine tree residual biomass blend (PS-PTRB combo) as a novel biorefinery resource for production of 2 <sup>nd</sup> generation bioethanol fuel	Dr. Bijender Kumar Bajaj,	School of Biotechnology.	DST
9.	Diversity and Bioprospecting of Coprophilous Fungi from Jammu and Kashmir	Dr. Yash Pal Sharma (P.I), / Dr. Madhulika Bhagat(Co-PI),	Department of Botany/ School of Biotechnology	DBT
10	Factor affecting Entrepreneurial Intentions of Youth in J&K	Dr. Jeevan Jyoti	Department of Commerce	UGC
11	Job Satisfaction and Organizational Commitment Among Teachers During Times of Burnout: A Study in Management Education	Dr. Komal Nagar (P.I),	The Business School	UGC
12	Analysing Travel Risk Perceptions: A Study of Brand Burn Management in Airlines Industry	Dr. Parikshat Singh Manhas (P.I)	The Business School.	ICSSR
13	<b>Strategic Model for Sustainable Tourism Development: Exploring Contemporary Indian Practices</b>	Dr. Parikshat Singh Manhas (P.I)	SHTM	UGC

14	Use of Bioflocs as a food in limited water exchange system for the culture of some indigenous and exotic carps	Dr Arti Sharma(P.I)/ Prof. K.K. Sharma (Co-P.I)	Zoology	UGC
<b>15</b>	<b>Ecological investigations of River Chenab with reference to the development of methods for the conservation of its fish diversity</b>	Prof. K.K. Sharma (P.I)	Zoology	UGC
16	Environmental Impacts of Brick Kilns in Jammu District	Dr. Md Sarfaraz Asghar	Geography	UGC
17	Translating Swami Anternirav's Poetic Imagination	Prof Satnam Kour	English	UGC
18	Gaining the Competitive edge by Brand Building through Promotional Campaigns: A study of Jammu and Kashmir's FMCG sector	Dr. Vivek Sharma	Life Long Learning	UGC
19	Study of Germanium/III-V compound semiconductors as channel materials for nanoscale devices.	Dr Rakesh Vaid	Physics & Electronics	UGC
20	Analysis and Development of Artificial Larynx for Laryngotomee.	Dr. Parveen Lehana	Physics & Electronics	UGC
21	Active fault study around Kishtwar area, Jammu and Kashmir" (26-02-2014)	Prof. S.K. Pandita	Geology	Seismology Division, Ministry of Earth Sciences, New Delhi.
22	"Seismotectonic analysis of Jammu region and its adjoining areas"	Prof. G.M. Bhat	Geology	Seismology Division, Ministry of Earth Sciences, New Delhi
23	"Pro-poor tourism in India: Opportunities for actions"	Prof. Parikshat Singh Manhas,	SHTM	UGC and the Education New Zealand
24	"Development of State-of-the-art Silicon Detector Characterization System of Particle Physics experiments"	Prof. Anju Bhasin	Physics and Electronics	DST

**List of Proposal forwarded during the current years 2014-15.**

S.No.	Title of the Project	Submitted By	Department	Agency	Date
1.	Pro-poor tourism in India: Opportunities for actions”	Dr. Parikshit Singh Manhas	SHTM	UGC and Education New Zealand	24.03.2014
2.	“Development of State-of-the-art Silicon Detector Characterization System of Particle Physics experiments”	Prof. Anju Bhasin	Physics and Electronics	DST	23.04.2014
3.	Two Week Workshop on Research Methods for Capacity Building Programme for Faculty in Social Science.	Dr. Parikshit Singh Manhas	SHTM	ICSSR	12.05.2014
4.	Formulation of Plan for the Practical Implementation of Plastic Waste(Management & Handling) Rules, 2011 in the High Altitude Wetland of Jammu and Kashmir	Mr. Rakesh Kumar (PI) and Dr. Vijay Saigal (Co-PI)	Environmental Sciences	WWF-India	12.05.2014
5.	Ionic Liquids based pretreatment of rice straw for Biorefinery applications aiming biofuel-bioethanol production	Dr. B.K. Bajaj	School of Biotechnology	CSIR	20.05.2014
6.	Characterization of chemotypes of wild Pomegranate from different altitudes of Jammu and Kashmir for secondary metabolite production	Dr. Ritu Mahajan	School of Biotechnology	CSIR	22.05.2014
7.	FIST Proposal 2014	HoD- Geography	Geography Department	DST	29.05.2014
8.	Identification of biologically active secondary metabolites from ethno-medicinally important <i>Isodon rugosus</i>	Dr. Madhulika Bhagat	School of Biotechnology	DST	31.05.2014
9	Consolidation and Maintenance of <i>Hippophae</i> germplasm in Ladakh	Dr. Veenu Kaul	Department of Botany	DBT	02.06.2014
10	Morpho-cytological analysis in seabuckthorn ( <i>Hippophae rhamnoides</i> L.) with emphasis on the identification and characterization of sex chromosomes	Dr. Veenu Kaul	Department of Botany	CSIR	18.06.2014
11	Developmental Study of Concepts and Perceptions of Domestic Violence among Females of Jammu District	Dr. Neeru Sharma	Director, Centre for Womens’ Studies	ICSSR	10.07.2014

12	Gender Violence and Women Sufferings in Conflict Zone: A Study in the Border Area of Jammu , Rajouri and Poonch District(J&K)	Dr. Anupama Vohra	DDE	ICSSR	11.07.2014
13	Management Education in India: Status, Trends and Reforms	Dr. Manoj Bhatt	Economics	Planning Commission of India	14.07.2014
14	ALICE Project Proposal	Prof. Anju Bhasin	Physics and Electronics	DST	24.7.2014
15	Factors affecting entrepreneurial Intentions of Youth in J&K	Dr. Jeevan Jyoti	Commerce	UGC	12.08.2014
16	A study on the synthesis, characterization of supported nanomaterials heterogeneous catalysts and their applications in organic transformations.	Dr. Monika Gupta	Chemistry	UGC	12.08.2014
17	Eco-taxonomy of vascular arboreal flora of Chenab valley in district Doda(J&K) vis-a-vi climate change.	Dr. Harish Chander	Botany	UGC	25.08.2014
18	Study on enhancing content Adaptability and personalization capability of learning Management systems through semantic web Technologies	Dr. Lalit Sen Sharma	Computer Sc. & IT	UGC	25.08.2014
19.	Preparations Characterization and properties of pure and substituted rare earth phosphate system for optical application	Prof. K.K. Bamzai	Physics and Electronics	UGC	26.08.2014
20.	Theoretical Investigation of Nuclear Structure of some Deformed Nuclei in Mass Range A=60-130	Prof. Arun Bharti	Physics	UGC	26.08.2014
21.	Probing the standard Model and Beyond with Kaon Decays at CERN	Prof. Anju Bhasin(PI) Prof. S.S. Sambyal	Physics and Electronics	UGC	26.08.2014
22	Fabrication of schottky Barrier and Heterojunction Diodes of Sn, Te, Se, and S based materials of varied compositions for Solar Cells as well as other Electronic Devices	Prof. Naresh Padha	Physics & Electronics	DRDO	26.08.2014
23	A detailed Study: The Plight of Urdu the official language of Jammu and Kashmir State in all the three regions Jammu, Kashmir and Ladakh.	Dr. Abdul Rashid Manhas	Urdu	UGC	26.08.2014
24	Social Impact of Power losses in Jammu and Kashmir: Performance, Challenges and opportunities	Prof. Falendra Kumar Sudan	Economics	Central Power Research Institute, Bangalore	05.09.2014

25	GRID Project Proposal	Prof. Anju Bhasin	Physics and Electronics	DST	22.09.2014
26	Comprehensive tourism revival framework for socio-economic development in post-conflict Kashmir: Lessons from Northern Ireland	Prof. Parikshat Singh Manhas	SHTM	UGC-UKIERI(UK-India Education and Research initiative)	30.09.2014
27	Novel biomass resources for biofuel-bioethanol production.	Dr. B.K. Bajaj	School of Biotechnology	DST	22.10.2014
28	Effect of Singular value Decomposition on Noise Removal in Medical Images	Dr. Pawanesh Abrol	Computer Sc. And IT	Institution of Electronics and Telecommunication	30.10.2014
29	Particle Physics Detector for the 21 <sup>st</sup> Century	Dr. Ramni Gupta	Physics and Electronics	SERB	07.11.2014
<b>30</b>	<b>Unprecedented cascade reactions between ninhydrin and active methylenes: Synthesis of novel and structurally challenging propellanooids, linearly- and spiro-fused heterocyclic compounds for biological evaluation</b>	<b>Prof. Kamal K. Kapoor</b>	<b>Department of Chemistry</b>	<b>UGC</b>	<b>8.12.2014</b>
31	Synthesis of Luminescent Coordination Polymers	Prof. Haq Nawaz Sheikh	Department of Chemistry	UGC	8.12.2014
32	Determination of the status and assessment of intra- and interpopulation cytomorphological variability in Costus speciosus and Zingiber roseum from north-west Himalayas	Dr. Geeta	Department of Botany	UGC	12.01.2015
33	Investigation, Clinical evaluation and validation of Bergenia(pashanbhed) Species of J&K region: In renal disorders.	Dr. Madhulika Bhagat	School of Biotechnology	Central Council for Research in Ayurvedic Science, Department of Ayush.	16.01.2015
34	Quantification and Management of Groundwater in Transboundary Aquifer between Chenab and Ravi Rivers Using Geospatial and Resistivity Imaging Tomography Techniques	Prof. A.S. Jasrotia	Remote Sensing and GIS	ISRO, Bangalore	15.1.2014
35	Chemoenzymatic approaches for production of 2 <sup>nd</sup> generation bioethanol-fuel from sugarcane bagasse	Dr. B.K. Bajaj	School of Biotechnology	DST	28.01.2015
36	Agro-industrial Lignocellulosic residues for production of polyhydroxyalkanoate polymers	Dr. B.K. Bajaj	School of Biotechnology	MoEF	
37	Metatranscriptomic analysis of microbiome associated with Crocus sativus	Dr Sheetal Ambardar under the mentorship of Dr. Jyoti Vakhlu	School of Biotechnology	DST	

38	Development of Spell Checker for Dogri Language	Dr. Shubhnandan S Jamwal	Department of Computer Sc. & IT	DEIT	26.03.2015
39	Suicide ideation in Jammu and Kashmir students	Dr. Chandra Shekhar	Psychology	ICSSR	01.06.2015
40	Perception of Risk and Preparedness of the Disaster Management Task Force operating at Shri Mata Vaishno Devi: A Comparative Analysis of Tourists and Employees	Dr. Suvidha Khanna	SHTM	SMVDSB	08.06.2015
41	“Biotic and abiotic elicitors for enhancement of colchicines content in endangered medicinal plant <i>Gloriosa superba</i> L.	Dr Ritu Mahajan	School of Biotechnology	NMPB, New Delhi	
42	The writings of Agha Shahid Ali and Jacques Godbout: A study in victimization	Dr. Sadaf Shah	Department of English	ICHR	26.06.2015
43	Collaborative role of Community Information Centres and Public libraries in Dissemination of Community Information services in J&K: A Proposed Model	Prof. Sangita Gupta	Department of Library and Information	ICSSR	03.07.2015
44	Marginalisation and Inclusive Mechanisms: A Study of ST Population of Jammu & Kashmir State	Prof. Arvind Jasrotia	Department of law	ICSSR	21.07.2015
45	Impact of Education on the status of scheduled caste women: A case study of Jammu Province(Jammu & Kashmir)	Prof. Darshana Sharma	DDE	ICSSR	27.07.2015
46	A Study probing into the distribution of economic benefits of liberalization and Industrialization amongst rural and urban masses and analysis of urbanization trends and effects in three regions of J&K i.e Jammu, Kashmir and Ladakh	Dr. Priyanka Sharma	DLL	ICSSR	30.07.2015
47	Under Five Mortality and Morbidity pattern Among Gujjar Tribe of Jammu	Dr. Sarika Man has	Home Science	ICMR/ICSSR	16.10.2015
48	Health Seeking behavior and health service utilization: A study of tribal females (15-45 years) of Jammu	Prof. Neeru Sharma and Dr. Samridhi Arora	Home Science	ICMR/ICSSR	16.10.2015
49	Synthesis Characterization and Evaluation of nanostructures against cancer	Dr. Madhulika Bhagat(PI) and Mr. Sandeep Arya, (Co-PI)	Biotechnology/Physics and Electronics	DBT	26.10.2015
50	Consolidated bioprocessing for biofuel-bioethanol production using lignocellulosic feed stocks	Dr. B.K. Bajaj	School of Biotechnology	CSIR	26.10.2015
51	Chemoenzymatic approaches for 2 <sup>nd</sup> generation biofuel-ethanol production from lignocellulosic biomass	Dr. B.K. Bajaj	School of Biotechnology	DST, Ministry of Science & Tech./CONACYT, of the United Mexican States	26.10.2015

52	Collection, Conservation and identification of elite germplasm of important ethno-medicinal plant <i>Isodon rugosus</i> , based on the content of chemical marker rugosinin	Dr. Madhulika Bhagat, PI and Dr. Sanjana Kaul, Co-PI	School of Biotechnology	NMPB	03.11.2015
53	Active Faults and Paleoseismology of the Kashmir Valley: implication to seismic hazard assessment"	Dr. Tejpal Singh, Principal Investigator, CSIR-Fourth Paradigm Institute(erstwhile CSIR-CMMACS), Bangalore alongwith <b>Prof. S.K. Pandita and Dr. Yudhbir Singh, Co-Principal Investigator</b>	Department of Geology	MoES	
54	Quantification and Management of Groundwater in Transboundary Aquifer between Chenab and Ravi Rivers Using Geospatial and Resistivity Imaging Tomography Techniques	Prof. A.S. Jasrotia,	Department of Remote Sensing and GIS	MOES	
55	Impact of climate variability and land use change on hydrological regime of different regions of Jammu & Kashmir using geospatial techniques	Prof. A.S. Jasrotia,	Department of Remote Sensing and GIS	MOES	
56	Vegetational heterogeneity and impact of changing climatic and landuse patterns on two contrasting timberline ecotones of upper Chenab catchment J&K and conservation strategies thereof	Prof. Anil K. Raina(PI) and Dr Neeraj Sharma	Department of Env. Sciences, University of Jammu, and Institute of Mountain Environment, Baderwah Campus	NMHS`	19.01.2016
57	Rotifera Group as a tool for Trophic Status assessment of water bodies of Himalayan origin in J&K State	Dr. Sarbjeet Kour (PI) and Prof. K.K. Sharma(Co.PI)	Department of Zoology	NMHS	20.01.2016
58	Application of Poly-house technology in field culture of giant freshwater prawn <i>Macrobrachium rosenbergii</i> in Jammu, J&K	Prof. Seema Langer	Department of Zoology	NMHS	20.01.2016
59	Estimation of water budget of different regions of Jammu & Kashmir using satellite data and hydrological model	Prof. A.s. Jasrotia	Department of Remote Sensing and GIS	NMHS	19.01.2016
60	Spatial distribution of forest biomass of Chattergalla area of Baderwah using satellite data indices and geostatistical techniques	Prof. A.S. Jasrotia and Dr. Neeraj Sharma	Department of Remote Sensing and GIS and Institute of Mountain Environment, Baderwah Campus	NMHS	19.01.2016
61	Vulnerability Assessment of the Subtropical, temperate and sub-alpine Ecosystems under Anthropogenic, Biological Invasion and Climate Change Scenarios in North Western Himalaya	Prof. Namrata Sharma and Dr. Venu Kaul & Dr. harish Chander Dutt	Department of Botany	NMHS	19.01.2016
62	Preparation of doped bismuth titanate layered composite for possible application as a ceramic optoelectronic devices	Prof. K.K. Bamzai(under India-Tunisia bilateral Research Collaboration Programme)	Department of Physics	DST	29.01.2016

**List of Project proposals submitted during the period 2016-17**

S.No	Title of the Project	Submitted By	Department	Agency	Date
1.	Comparative Study of novel series of Mikhail Sholokhov's And Quiet Flows the Don (1934) and Desh Bandhu Gupta(Nutan)'s Bheemu	Dr. Ravinder (P.I) Dr. Sandeep Singh (Co. P.I)	English	UGC	29.07.16
2.	Pine needle biomass from Himalayan coniferous forests as the novel resource for biofuel-ethanol production	Dr. B.K Bajaj	Biotechnology	MoEF&CC	16.01. 17
3.	Screening lichens for antimicrobial and dyeing properties from the underexplored region of J&K State(India)	Prof. Namrata Sharma	Botany	DST	29.12. 16
4.	Assesment of inter and intraspecific variations (morphological,cytological & molecular)in local freshwater prawns from J&K	Prof. Seema Langer	Zoology	DST	29.12.16
5.	Exploration,characterization and ethnomycology of wild mushrooms in cold desert of Ladakh	Prof. Yashpal Sharma	Botany	DST	29.12.2016
6.	Characterization of genetic diversity of Ricebean genotypes collected from J&K and H.P	Dr. Ritu Mahajan	Biotechnolgy	DBT	16.3.2017
7.	Appeal of Underdog label and consumption Decision on copycat Product Evaluation	Dr. Komal nagar	Business School	ICSSR	29.11.16
8.	Nutraceutical characterization of three wild berries from different altitudinal regimes of jammu province in western Himalaya	Dr. Harish Chander	Botany	DST	14.12.16



9.	Prebiotics production from lignocellulosics, and their application potential for developing symbiotic cereal foods	Dr. B.K Bajaj	Biotechnology	DST	23.12.16
10.	Development of gross species transferability of genomic micro satellite markers in wild pomegranate using Next Generation.	Dr. Ritu Mahajan	Biotechnology	DST	22.12.16
11.	Comparative transcriptomics of Crocus sativus corm in presence and absence of pathogenic Fusarium osyporum	Dr. Jyoti Vakhlu	Biotechnology	DST	11.04.17
12.	Biodiversity And Palaeobiogeography of the microbiota from the deccan infra and Intertrappean Beds of the Malwa Plateau, Central INDIA	Dr. Varun Parmar	Geology	CSIR	11.01.17
13.	Morbidity Profile of Underfive Children Of Gujjar Tribe of Jammu	Dr. Sarika Manhas	Home Science	ICSSR	22.11.16
14.	Investigation of role of root architecture adaptations in nutrient (Phosphate, zinc, iron) acquisitions from soil in Tomato Plants(Solanum lycopersicum)	Dr. Sikander Paul	Botany	DST	09.11.16
15.	Comparative Analysis of Parent and Adoloscet Relationship in single and two parent families: A case of Jammu city	Dr. Sarika Manhas	Home Science	ICSSR	22.11.16
16.	Developing Innovative Radiation Hard Silicon detectors for High Luminosity Particle Physics Experiments and Medical Application	Prof. Anju Bhasin	Physics & Electronics	British Council	26.10.16
17.	Collobarative role of community Information Centres and Public Libraries in Dissemination of Informative Services in J&K; A Model	Prof. Sangita Gupta	Library and Information Science	ICSSR	22.11.16
18.	Gender Perspective on Landmines across LOC and IB in Jammu and Kashmir State: Challenges and way forward	Dr. Mohammad Monir Alam	Strategic and Regional Studies	ICSSR	24.11.16
19.	A Comparative Study of Socio-Economic Conditions of Gaddi Tribe : A Case Study of Kathua (J&K) and Chamba (H.P)	Dr. Varinder Koundal	Economics	ICSSR	25.11.16
20.	Establishment of Herbal Garden for Conservation and Propagation of Germplasm of Medicinal Plants in University of Jammu	Prof. Yashpal Sharma (P.I) Dr. Sikander Pal(Co. P.I)	Botany	AYUSH	24.11.16
21.	Estimation of water budget , assessment of land use change and impact of climate change on hydrological regime of the different regions of J&K using hydrological models and geospatial techniques	Prof. A.S Jasrotia	Remote sensing and G.I.S	NMHS	04.11.16
22.	Deciphering Tri-partite interactions of phosphate-zinc-iron homeostasis in tomato plants(Solanum lycopersicum L.)	Dr. Sikander Pal	Botany	DST	29.12.16
23.	Characterization of Serine Protease Inhibitors Involved in Imparting Resistance to Mycobacterium tuberculosis Infected cells from Lysis	Dr. Nisha Kapoor	Biotechnology	CSIR	07.09.16

24.	Geospatial analysis and mapping of ground water fluoride contamination in Jammu Province with emphasis on its vulnerability and remediation	Dr. Deepika Slathia	E.V.S	SERB	26.12.16
25.	Active fault mapping and Palaeoseismic Investigations in Jammu and Kashmir Himalaya, India: An integrated approach towards seismic hazard assessment.	Prof. G.M Bhat(Coordinator), Dr. Yudhbir Singh(P.I), Prof. S.K Pandiata(Co. P.I)	Geology	MoES	13.12.16
26.	A study of Suicide Ideation in Jammu and Kashmir Students	Dr. Chandra Shekhar	Psychology	ICSSR	24.11.16
27.	Determinants of Maternal Health Care seeking Behavior: A study of tribal females of Jammu	Dr. Samridhi Arora	Home Science	ICSSR	24.11.16
28.	Assesing the impact of Socio Economic factors on the growth of entrepreneursip for rural development in state of J&K	Dr. Vivek Sharma	Life long learning	ICSSR	25.11.16
29.	A Value chain of Saffron in new non-traditional areas of NW Himalayas	Dr. Jyoti Vakhlu	Biotechnology	MoEFCC	16.01.17
30.	Heavy metal toxicity assessment in the surface and sub-surface soils around automobile workshops in Jamu, J&K	Rakesh Kumar, Dr. Yudhbir singh(Co.P.I), Dr. Vijay Sehgal(Co.P.I)	E.V.S	MoEFCC	22.03.17
31.	Social Background and Higher Education among Scheduled Castes and Scheduled Tribes Girl Students in Jammu and Kashmir State	Prof. Renu Nanda	Education	ICSSR	20.03.17
32.	Evaluation study of Sarva Shiksha Abhiyan	Dr. Priyanaka Sharma (P.I), Dr. Manish Sharma (Co. P.I)	Life long learning	MHRD	10.04.17
33.	Comprehensive tourism revival framework for socioeconomic development in post-conflict Kashmir: Lessons from Northern Ireland	Prof. Parikshat singh Manhas	SHTM	UGC	04.10.16
34.	Impact of Kashmir Conflicts on Refuges, Forced Migrants and Displaced Population: A Study of Demographic and socio-economic Consequences , Coping Mechanisms and Survival Strategies Adopted by Women, Children and Elderly.	Prof. Arvind Jasrotia (P.I) Prof. F.K Sudan(Co. P.I)&Prof. Jigar Mohd. (Co. P.I)	Law	ICSSR	16.05.17
35.	Exploring Strategic Business Orientations for sustainable development of Tourism Industry in J&K: A Multi-Stakeholder View”	Prof. Hardeep Chahal	Commerce	ICSSR	16.05.17
36.	Historical Continuity of Jammu- Kashmir in the Context of India.	Prof. Shailendra Singh Jamwal (P.I), Prof. Raghuvendra Tanwar (Co-P.I)	History	ICSSR	17.05.17
37.	Institutional –Economic Analysis of Water Governance and Cooperation in Indus Sub-Basin of Jammu and Kashmir	Prof. Prakash Chand (P.I), Prof. F.K	Economics	ICSSR	17.05.17

		Sudan(Co-P.I), Dr. Virender Koundal (Co-P.I)			
38.	Women Enterprises & Inclusive Growth: An Empirical Study of Jammu Division.	Dr. Aroon Sharma(P.I), Dr. Sunita Sharma9Co. P.I), Dr. Shallu Sehgal(Co. P.I)	Economics	ICSSR	18.05.17
39.	Religion Conflict and Communal Tensions: A study of Fault Lines and Mitigators in Jammu Region.	Dr. V.V.V Nagendra Rao(P.I)& Dr. Sandeep singh(Co. P.I)	Strategic &Regional Studies	ICSSR	23.05.17
40.	FIST Level –II in Earth and Atmospheric Science	Prof. Pankaj K Srivastava	Geology	DST	27.06.17
41.	Development of bacillus based nano-bioformulation against corm rot pathogen of Crocus sativus L.	Dr. Jyoti Vakhlu and Dr. Madhulika Bhagat	Biotechnology	DBT	13.06.2017
42.	Potential of lignocellulosic biomass for prebiotics production and their application for developing synbiotic cereal foods	Dr. Bijender Kumar Bajaj	Biotechnology	SERB, DST	17.07.17
43.	Biodiversity and Palaeobiogeography of the Microbiota from the deccan infra and intertrappean beds of the Malwa Plateau central India.	Dr. Varun Parmar	Geology	SERB	31.07.17
44.	Development of microfluidic channel based intelligent bandage.	Dr. Parveen Kumar Lehana (P.I), Dr Pawanesh Abrol (Co. P.I), Dr. Sandeep Arya(Co. P.I), Dr. Madhulika Bhagat	Electronics	SERB, DST	31.07.17
45.	Nutraceutical characterization of three wild berries from different atitudinal regimes of jammu province in Western Himalaya	Dr. Harish Chander	Botany	DST	31.07.2017
46.	Cytochrome c Oxidase I (COI) based DNA barcoding for Taxonomic Studies and establishing Phylogenetic Relationships of Freshwater Vertebrates of Jammu	Dr. Rakesh Kumar	Zoology	SERB	04.08.17
47.	Factors affecting Empowerment of Women Entrepreneurs: A Study of J&K State.	Dr. Jeevan Jyoti	Commerce	ICSSR	25.08.17
48.	Spatio-temporal distribution and source apportionment of carbon (OC/EC/WSOC) and major ions PM2.5 aerosols in the Himalayan foot hills of Jamu region (J&K)	Dr. Rakesh Kumar	EVS	DST-SERB	28.08.17
49.	Improvement In the Living Conditions of Tribals of Suru Zanskar Valley ( Kargil) Through Technological Intervention	Dr. Anuradha Sharma (P.I), Dr. Inderjeet Singh	Geography	DST	01.09.17

		( Co- P.I)			
50.	What really works in hospitals to achieve strategic success?	Prof. Hardeep Chahal(P.I)	Commerce	ICSSR	04.09.17
51.	Social Background and Higher Education among Schedule Castes and Schedule Tribes Girl Students in Jammu and Kashmir State.	Prof. Renu Nanda	Education	ICSSR	04.09.17
52.	Linking Environmental Consciousness, Ethical self identity and Perceived benefits of Organic Products: A Study among Youth in Jammu and Kashmir.	Dr. Komal Nagar	Business School	ICSSR	04.09.17
53.	Developing Strategic framework for fostering Pro Environmental Behaviour among Tourism Stake holders : A Study in select destinations of North India	Dr. Anil Gupta	SHTM	ICSSR	04.09.17
54.	Efficacy of Building and Construction workers Act, 1996: A Socio-Legal Study in the Jammu Province (J&K)	Dr. Satinder Kumar	Law	ICSSR	04.09.17
55.	Status of Financial Inclusion among SCs, STs and women in selected districts of jammu divison of J&K state.	Tarsem lal	Commerce	ICSSR	04.09.17
56.	Examining the Impact of Dynamic Capabilities on SMEs Performance Through Sustainability	Dr. Harleen	Commerce	ICSSR	04.09.17
57.	Ethics , Satisfaction and Sustainability in retail food Establishments: The Youth Customers Perspective	Dr. Bodh Raj	Commerce	ICSSR	04.09.17
58.	Sexual harassment of Women at Workplace: A Socio-Legal study in higher educational institutions of Jammu district.	Dr. Savita Nayyar	Law	ICSSR	07.09.2017
59.	Study of Government Policies And Schemes Using Geospatial Techniques : A Way Towards Effective Planning, A Focus ON Bhalwal Block Of Jammu District.	Dr. Shashi Prabha	Geography	NRDMS	17.11.2017
60.	Biomass refining for renewable energy and green chemicals production to strengthen bio-economy of BRICS Countries.	Dr. B.K Bajaj, Co-P.I Dr. Ritu Mahjan	School of Biotechnology	DBT	21.11.2017
61.	Folate- Homocysteine metabolic pathway gene polymorphisms and risk of Congenital Heart Defects (CHD)	Dr. Rakesh Kumar	Zoology	UGC	22.12.2017
62.	Proposal for Financial assistance for the development and upgradation of Botanic Garden of University of Jammu.	Prof. YashPal Sharma (P.I), Dr. Veenu Kaul, Dr. Sikander Pal , Dr. Harish Chander ( Co- P.I's)	Botany	Botanical Survey of India, GoI,Kolkata	01.01.2018
63.	Latent class Analysis of Survey Data on Cheating Behaviour	Dr. Sunil Kumar	Statistics	UGC	08.01.2018
64.	Impact of climate variability and land use change scenario on hydrological regime of Chenab River Basin using hydrological models and geospatial technique	Prof. Avtar Singh Jasrotia , Dr. Ajay Kumar Taloor (Co- P.I)	Remote Sensing and GIS	MOES	23.03.2018
65.	Spatio- Temporal Data Modelling and Development of a	Prof. Avtar Singh	Remote Sensing	DST	23.032018

	Standards-based Geo-portal for Decentralised Governance of Jammu Smart City	Jasrotia, Dr. Manish Kumar	and GIS		
66.	Normal Families of Meromorphic Functions and Dynamics of Permutable Entire Functions.	Dr. Kuldeep Singh Charak	Mathematics	SERB, MATRICS	28.03.18
67.	Heisenberg Uniqueness Pairs, Prron-Frobenius Operators and Dynamical systems	Dr. Romesh Kumar	Mathematics	SERB, MATRICS	05.04.18
68.	Human pulmonary Paragonimiasis in crab eating communities and smear negative suspected TB cases from some states of India	Dr. Seema Langer & Dr. Rakesh Panjalia( Co-P.I)	Zoology	ICMR	26.04.18
69.	Impact Assesment Study of Corporate Social Responsibility Initiatives/ Activities Undertaken by Uri Power Station- 1, NHPC Limited, Gingle ( Baramulla)	Prof. Prakash Chand (P.I) , Prof. F.K Sudan (Co-P.I), Dr. Varinder Koundal (Co- P.I)	Economics	Uri Power Station- 1, NHPC Limited, Gingle(Baram ulla), J&K	15.05.2018
70.	Applications of Poly-house technology in the culture of giant freshwater prawn , Macrobrachium rosenbergii in Jammu (J&K).	Prof. Seema Langer (P.I), Dr. Arti Sharma (Co. P.I)	Zoology	DST	25.05.2018
71.	Characterization of the germplasm and development of quality planting material in walnut	Prof. M.K Dhar (P.I), Dr. Sanjana Kaul (Co. P.I)	Biotechnology	DST	30.05.2018
72.	Socio-Economic Impact of SMVDNSH on the Region	Prof. Prakash Chand (P.I) , Prof. F.K Sudan (Co-P.I), Dr. Varinder Koundal (Co- P.I)	Economics	SMVD NARAYANA ,SUPER SPECIALITY HOSPITAL, KAKRYAL, KATRA TEHSIL, REASI DISTT. J&k.	31.05.2018
73.	Molecular Characterization and genetic diversity of ricebean: an underutilized minor legume	Dr. Ritu Mahajan	Biotechnology	DST	05.06.2018
74.	DNA Barcoding for Biodiversity Conservation and Management in Jammu Region	Prof. Seema Langer and prof. Roopma Gandotra	Zoology	DST	7.06.18
75.	Active tectonics and Geomorphological Investigation in Ujh Basin of Jammu Himalayas using Geological and Geospatial Technology	Dr. Ajay Kumar Taloor	Remote sensing and GIS	MOES	13.06.2018

76.	Latana management in protected areas through ecological interactions	Prof. Anil K Raina	EVS	DBT	14.06.2018
77.	Development of microbiome based molecular marker in absence of genetic marker in vegetatively reproducing sexually sterile crops, with crocus sativus as a model	Dr. Jyoti Vakhlu, Dr. Praveen Kumar Verma (Co P.I)	Biotechnology	SERB	14.06.2018
78.	A Value chain of Saffron in new non-traditional areas of Northern Himalayas – opportunities for livelihood improvement through Women empowerment.	Prof. Jyoti Vakhlu	Biotechnology	NMHS	14.06.2018
79.	Biodiversity Estimation , Taxonomical characterization, Threats, Conservation strategies of Shell Fish funa of J&K State	Seema Langer, Sarabjeet Kour (Co-P.I)	Zoology	DST	18.06.18
80.	Synthesis of Organic-inorganic hybrid nanostructures via sol gel route for optoelectronic applications	Dr. Sandeep Arya	Physics	SERB	26.06.18
81.	Comparative transcriptomics approach for understanding the regulatory network underlying Leaf blight and fruit rot of Brinjal (Solanum melongeva	Dr. Sanjana Koul (P.I), Prof. M.K Dhar (Co-P.I)	Biotechnology	DST	26.06.18
82.	Preparation, characterization and studying properties of doped rare earth phosphate having zirconate type structure for possible optoelectronic applications	Prof. K.K Bamzai	Physics	SERB	29.06.18
83.	Sustaining water resources of Indian Himalyan Region	Prof. R.K Rampal, Prof. A.K Raina, Dr. Deepika Slathia	EVS	U.S Mission India Public Diplomacy Grants Program	17-07-2018
84.	Evaluative Study of Facilitating the Learning of Secondary School Students through SMART Class	Dr. Sushanta Kumar Panda	Education	Central University of South Bihar, Gaya, Bihar	7-08-2018
85.	Social Inclusion Through Financial Inclusion: A Study of SC's , ST's & Women Households in Jammu Distt. Of J&K State	Tarsem Lal	Commerce	ICSSR	9-08-18
86.	Impact of Financial Inclusion on Poverty Alleviation Among SC's & ST's Households in Jammu & Kashmir ( J&K)	Tarsem Lal	Commerce	ICSSR	9-08-18
87.	To study the risk profile of Tuberculosis infection in consanguineous population of Jammu & Kashmir	Nisha Kapoor	Biotechnology	SERB	13-08-2018
88.	Folate-Homocysteine metabolic pathway gene polymorphisms and risk of Congential Heart Defects (CHD)	Dr. Rakesh Kumar	Zoology	SERB, DST	05-10-2018
89.	Volumetric ,acoustic, viscometric and DFT studies of some biomolecules and vitamins in aqueous medium	Dr. Ashwani Kumar	Chemistry	DST	05-10-2018
90.	Assessment of quality of life, ecological footprints and environmental vulnerability of selected slums of Jammu city (J&K) India	Dr. Piyush Malaviya	EVS	MoEFCC	10-10-2018

91.	Molecular and morphological Characterization of cryophilic and cryotolerant micromycetes of two different glaciers located in the trans-Himalayan region for their ability to produce cold active enzymes.	Dr. Skarma Nonzom	Botany	SERB(DST)	25-10-2018
92.	Ecomycology and psychrozyme potential of microfungi inhabiting high altitude cold mountain passes of Ladakh (J&K)	Dr. Skarma Nonzom	Botany	SERB(DST)	25-10-2018
93.	Interplay of vaginal virome in infertility & preterm birth	Dr. Shelly Sehgal (P.I), Dr. Sanjana Koul(Co-P.I)	Biotechnology	DBT	30-10-2018
94.	Homestay in Himalayas as : Promoting Innovative Livelihoods for Sustainable Landscape Management and Socio Economic Upliftment.	Prof. Pariskhat Singh Manhas	SHTM	ICSSR	27-11-2018
95.	Study on the development of ferrite based heterogeneous s nanocatalysts and their investigation in organic transformations.	Dr. Monika Gupta	Chemistry	CSIR	28-11-2018
96.	Empirical Assessment of the impact of Socio economic factors on the growth of entrepreneurship for rural development in the state of Jammu and Kashmir	Dr. Vivek Sharma	Life Long Learning	ICSSR	28-11-2018
97.	Ethnicity and Politics in the Post-Soviet Uzbekistan	Dr. Suneel Kumar	Strategic and Regional Studies	ICSSR	29-11-2018
98.	Strategies for Empowerment of Women Entrepreneurs: A Study of J&K	Dr. Jeevan Jyoti	Commerce	ICSSR	29-11-2018
99.	What really works in rural hospitals to achieve strategic success	Prof.Hardeep Chahal	Commerce	ICSSR	29-11-2018
100.	Measuring Impact of Financial Inclusion Drives On Rural Masses: A Study of SC's and ST's Households In Jammu Distt. Of J&K State.	Tarsem lal	Commerce	ICSSR	30-11-2018
101.	Role of Financial Inclusion in Social Inclusion : A Study of SC's and ST's Households in jammu Distt. Of J&K state	Tarsem Lal	Commece	ICSSR	30-11-2018
102.	Oral tradition of scientific knowledge system of tribal people of Jammu Province.	Prof. Poonam Choudhary and Dr. Malay Dey	Centre for Studies in Museology	Indian National Science Academy	19-12-2018
103.	Developing Specifics of Professional Competencies In Religious Tourism	Prof. Parikshat Singh Manhas	SHTM	Shastri Indo-Canadian Institute	21-12-2018
104.	National Wetland Inventory and Assessment (NWIA) Phase-II	Dr. Avtar singh Jasrotia	Remote Sensing & GIS	ISRO	06-02-2019

105.	Higher Education and Social Background of Scheduled Castes (SC) and Scheduled Tribes (ST) Girl Students of Jammu and Kashmir State	Prof. Renu Nanda	Education	IUCTE Deptt. of Education (CASE & IASE), The Mahraja Sayajirao University of Baroda Vadodara.	21-02-2019
106.	Integration of Information and communication Technology (ICT) into B.Ed. Curriculum- A Study	Dr. Sushanta Panda	Education	IUCTE Deptt. of Education (CASE & IASE), The Mahraja Sayajirao University of Baroda Vadodara.	22-02-2019
107.	Molecular identification , geographical distribution and cataloguing of pathogenic and non-pathogenic fungi, associated with <i>Crocus sativus</i> corms, grown in Jammu and Kashmir	Prof. Jyoti Vakhlu	Biotechnoogy	Ministry of Environment and Forests	06-03-2019
108.	Integrating morphological and advanced molecular techniques to characterize the macrofungi of cold desert biome of Leh in Jammu and Kashmir	Prof. Yash Pal Sharma	Botany	MoEF	07.03.2019
109.	Taxonomic diversity, distribution, ecology and bioprospecting of cold tolerant filamentous microfungi from the glacier sediments and cold desert soils of the trans-Himalayan region	Dr. Skarma Nonzom	Botany	MoEF	11.03.2019
110.	Post- Conflict Reintegration Study in J&K	Prof. F.K Sudan & Prof. Prakash Chand (Co- P.I)	Economics	State Rehabilitation council, Jammu (J&K)	11.03.2019
111.	Impact of financial inclusion drives on poverty alleviation and economic growth of rural households in northern states of India	Dr. Tarsem Lal	Commerce	ICSSR	12.03.2019
112.	Impact of Ethics on Satisfaction and Sustainability in Retail Food Establishments in Northern India : A Socio- Economic Prespective	Dr. Bodh Raj	Commerce	ICSSR	12.03.2019
113.	Enhancing Innovation Sustainability by Mapping Capabilities of SMEs	Dr. Harleen	Commerce	ICSSR	12.03.2019



114.	Status survey, eco-taxonomy and ecological modeling of orchids in Jammu and Ladakh divisions ( J&K)	Dr. Harish Chander, Dr. Skarma Nonzom (Co-P.I)	Botany	MoEF	14.03.2019
115.	A Study of non participation of SC/ST girls in Higher Education in the Light of Government Policies in Jammu and Kashmir State	Prof. Renu Nanda	Education	IUCTE ,Deptt. of Education, The Maharaja Sayajirao University of Baroda	18.03.2019
116.	Reassessment and Validation of Taxonomic Characterization of Ecologically and Economically important Ichthyofauna Threatened by Megadevelopment Activities in West Himalayan River Basins	Prof. Roopma Gandotra, Prof. Seema Langer (Co-P.I)	Zoology	MoEF	18.03.2019
117.	Conflict in Kashmir and its impact on mental Health : A Study among Adolescent in Kashmir Division	Pallavi Sachdeva	Life long Learning	ICSSR	19.03.2019
118.	What Really works in Hospitals to Achieve Strategic Success?	Prof. Hardeep Chahal, Dr. Neetu Kumari (Co-P.I)	Commerce	ICSSR	19.03.2019
119.	Integrative Taxonomic Studies on Aquatic Flora of Jammu, Kashmir and Ladakh Himalayas	Dr. Anzar A. Khuroo, Dr. Harish Chander (Co-P.I)	Botany	MoEF	25.03.2019
120.	Indian language Corpora Initiative ( ILCI)- Phase -3	Dr. Shubhnandan Singh Jamwal	Computer Science & IT	Ministry of Communication and Information Technology, Technology Development of Indian languages.	25.03.2019
121.	Integration of Information and Communication Technology (ICT) into B.Ed. Curriculum – A Study	Dr. Sushant Kumar Panda	Education	GNDU	15-04-2019
122.	Surface deformation and landscape evolution in Northwestern Himalaya: A geospatial approach.	Dr. Ajay Kumar Taloor	Remote Sensing & GIS	SERB DST	24-4-2019
123.	Physicochemical and computational investigations of some drugs in aqueous and mixed aqueous solutions	Dr. Ashwani Kumar	Chemistry	DST	01-05-2019
124.	Climate change and its impact on fauna and flora across	Dr. Som Nath	Geology	SERB	08-05-2019

	Neogene/Quaternary bounda in Jammu province of NW Himalaya, J&K India : A biological, Isotopic and Sedimentological Approach				
125.	Habitat ecology of Cedrus deodara (Roxb.) Loud in Lesser Himalayan stratum of Jammu province (J&K)	Dr. Harish Chander	Botany	MoEFC	08-05-2019
126.	MicroRNA's expression profiling and their potential use as diagnostic molecular biomarkers in Human prostate cancer	Dr. Rakesh Kumar	Zoology	SERB DST	09-05-2019
127.	Generalizations of Topological vector spaces	Dr. Shallu Sharma	Mathematics	NBHM	10-05-2019
128.	DST-FIST Level-I	Prof. Lalit Sen Sharma	Computer Sc. & IT	DST	15-05-2019
129.	Glycome profiling to crack the recalcitrance of rice straw biomass by developing designer enzymes and pretreatment approaches for proficient biomass conversion	Dr. Bijender Kumar Bajaj	School of Biotechnology	SERB,DST	28.05.2019
130.	Survey and biological management of superficial mycoses in women folk belonging to different ethnic groups of Kargil district ( Ladakh)	Dr. Skarma Nonzom	Botany	NMHS	29-05-2019
131.	Database preparation and analysis of schizophrenic speech for clinical use	Dr. Parveen Kumar Lehana (P.I), Dr. Nisha Kapoor (Co-P.I)	Electronics	SERB	29-05-2019
132.	Characterization of novel micro RNA's in Ranbir Basmati (Oryza sativa L.) on infection with bacterial leaf blight	Dr. Ritu Mahajan (P.I), Prof. R.K Salgotra (Co-P.I)	Biotechnology	DST	03-06-2019
133.	Design and Synthesis of Luminiscent Lanthanide-Metal-Organic Frameworks as Temperature and Colour Gradient Sensors	Prof. Haq Nawaz Sheikh	Chemistry	SERB	03-06-2019
134.	Evolution of quasi-particle structure of some deformed nuclei lying in the mass range $100 \leq A \leq 150$	Prof. Arun Bharti	Physics	SERB	03-06-2019
135.	Characterization of grapheme oxide based heterogeneous nanomaterials and investigation of their potential in organic transformations, photoluminescence and in photodegradation	Dr. Monika Gupta	Chemistry	SERB	03-06-2019
136.	Development of Phyto-micro Remediation System for EOP (End of Pipe) Textile Wastewater Treatment	Dr. Piyush Malaviya	EVS	SERB	04-06-2019
137.	Post harvest management of corm rot disease in crocus sativus by nanoformulation	Dr. Madhulika Bhagat	Biotechnology	AYUSH	04-06-2019
138.	Synthesis, Characterization and evaluation of functional nanomaterials for semiconductor applications.	Dr. Sandeep Arya	Physics	SERB	06-06-2019
139.	Thermophysical and rheological studies of some drugs in aqueous solutions of (choline chloride + urea) deep eutectic solvents.	Dr. Ashwani Kumar	Chemistry	SERB	06-06-2019

140.	Genome wide association studies (GWAS) of maize roots for improving traits regulating phosphate use efficiency.	Dr. Sikander Pal	Botany	SERB	10-06-2019
141.	Design and Optimisation of Low Voltage and Low Power Circuits For Biomedical Applications	Dr. Rockey Gupta	Electronics	SERB	10-06-2019
142.	Fabrication and Characterization of Triboelectric Nanogenerator (TENG) for advanced self powered device applications	Prof. Rakesh Vaid	Electronics	SERB	10-06-2019

### **List of Project Proposals submitted during the year 2019**

S.No	Title of the Project	Submitted By	Department	Agency	Date	Budget
1.	National Wetland Inventory and Assessment (NWIA) Phase-II	Dr. Avtar Singh Jasrotia	Remote Sensing & GIS	ISRO	06-02-2019	25,99,000
2.	Higher Education and Social Background of Scheduled Castes (SC) and Scheduled Tribes (ST) Girl Students of Jammu and Kashmir State	Prof. Renu Nanda	Education	IUCTE Deptt. of Education (CASE & IASE), The Mahraja Sayajirao University of Baroda Vadodara.	21-02-2019	10,04,500
3.	Integration of Information and communication Technology (ICT) into B.Ed. Curriculum- A Study	Dr. Sushanta Panda	Education	IUCTE Deptt. of Education (CASE & IASE), The Mahraja Sayajirao University of Baroda Vadodara.	22-02-2019	9,98,800
4.	Molecular identification , geographical distribution and cataloguing of pathogenic and non-pathogenic fungi, associated with Crocus sativus corms, grown in Jammu and Kashmir	Prof. Jyoti Vakhlu	Biotechnology	Ministry of Environment and Forests	06-03-2019	50,00,000
5.	Integrating morphological and advanced molecular techniques to characterize the macrofungi of cold desert biome of Leh in Jammu and Kashmir	Prof. Yash Pal Sharma	Botany	MoEF	07.03.2019	95,95,680
6.	Taxonomic diversity, distribution, ecology and bioprospecting of cold tolerant filamentous	Dr. Skarma Nonzom	Botany	MoEF	11.03.2019	49,98,240

	microfungi from the glacier sediments and cold desert soils of the trans-Himalayan region					
7.	Post- Conflict Reintegration Study in J&K	Prof. F.K Sudan & Prof. Prakash Chand (Co- P.I)	Economics	State Rehabilitation council, Jammu (J&K)	11.03.2019	18,34,250
8.	Impact of financial inclusion drives on poverty alleviation and economic growth of rural households in northern states of India	Dr. Tarsem Lal	Commerce	ICSSR	12.03.2019	15,00,000
9.	Impact of Ethics on Satisfaction and Sustainability in Retail Food Establishments in Northern India : A Socio- Economic Perspective	Dr. Bodh Raj	Commerce	ICSSR	12.03.2019	15,00,000
10.	Enhancing Innovation Sustainability by Mapping Capabilities of SMEs	Dr. Harleen	Commerce	ICSSR	12.03.2019	5,00,000
11.	Status survey, eco-taxonomy and ecological modeling of orchids in Jammu and Ladakh divisions ( J&K)	Dr. Harish Chander, Dr. Skarma Nonzom (Co- P.I)	Botany	MoEF	14.03.2019	80,82,119
12.	A Study of non participation of SC/ST girls in Higher Education in the Light of Government Policies in Jammu and Kashmir State	Prof. Renu Nanda	Education	IUCTE ,Deptt. of Education, The Maharaja Sayajirao University of Baroda	18.03.2019	6,23,500
13.	Reassessment and Validation of Taxonomic Characterization of Ecologically and Economically important Ichthyofauna Threatened by Megadevelopment Activities in West Himalayan River Basins	Prof. Roopma Gandotra, Prof. Seema Langer (Co-P.I)	Zoology	MoEF	18.03.2019	55,99,350
14..	Conflict in Kashmir and its impact on mental Health : A Study among Adolescent in Kashmir Division	Pallavi Sachdeva	Life long Learning	ICSSR	19.03.2019	15,00,000
15.	What Really works in Hospitals to Achieve Strategic Success?	Prof. Hardeep Chahal, Dr. Neetu Kumari (Co- P.I)	Commerce	ICSSR	19.03.2019	15,00,000
16.	Integrative Taxonomic Studies on Aquatic Flora of Jammu, Kashmir and Ladakh Himalayas	Dr. Anzar A. Khuroo, Dr. Harish Chander (Co-P.I)	Botany	MoEF	25.03.2019	66,56,000
17.	Indian language Corpora Initiative ( ILCI)- Phase - 3	Dr. Shubhnandan Singh Jamwal	Computer Science & IT	Ministry of Communication and Inormation Technology, Technology Development of Indian languages.	25.03.2019	----
18.	Integration of Information and Communication Technology (ICT) into B.Ed. Curriculum – A	Dr. Sushant Kumar Panda	Education	GNDU	15-04-2019	4,95,600

	Study					
19.	Surface deformation and landscape evolution in Northwestern Himalaya: A geospatial approach.	Dr. Ajay Kumar Taloor	Remote Sensing & GIS	SERB DST	24-4-2019	25,32,542.61
20.	Physicochemical and computational investigations of some drugs in aqueous and mixed aqueous solutions	Dr. Ashwani Kumar	Chemistry	DST	01-05-2019	28,80,000
21.	Climate change and its impact on fauna and flora across Neogene/Quaternary bounda in Jammu province of NW Himalaya, J&K India : A biological, Isotopic and Sedimentological Approach	Dr. Som Nath	Geology	SERB	08-05-2019	55,900,41
22.	Habitat ecology of Cedrus deodara (Roxb.) Loud in Lesser Himalayan stratum of Jammu province (J&K)	Dr. Harish Chander	Botany	MoEFC	08-05-2019	67,96,400
23.	MicroRNA's expression profiling and their potential use as diagnostic molecular biomarkers in Human prostate cancer	Dr. Rakesh Kumar	Zoology	SERB DST	09-05-2019	37,44,000
24.	Generalizations of Topological vector spaces	Dr. Shallu Sharma	Mathematics	NBHM	10-05-2019	16,20,000
25.	DST-FIST Level-I	Prof. Lalit Sen Sharma	Computer Sc. & IT	DST	15-05-2019	83,82,000
26.	Glycome profiling to crack the recalcitrance of rice straw biomass by developing designer enzymes and pretreatment approaches for proficient biomass conversion	Dr. Bijender Kumar Bajaj	School of Biotechnology	SERB,DST	28.05.2019	47,62,000
27.	Survey and biological management of superficial mycoses in women folk belonging to different ethnic groups of Kargil district ( Ladakh)	Dr. Skarma Nonzom	Botany	NMHS	29-05-2019	49,25,000
28.	Database preparation and analysis of schizophrenic speech for clinical use	Dr. Parveen Kumar Lehana (P.I), Dr. Nisha Kapoor (Co-P.I)	Electronics	SERB	29-05-2019	----
29.	Characterization of novel micro RNA's in Ranbir Basmati (Oryza sativa L.) on infection with bacterial leaf blight	Dr. Ritu Mahajan (P.I), Prof. R.K Salgotra (Co-P.I)	Biortechnology	DST	03-06-2019	45,73,200
30.	Design and Synthesis of Luminiscent Lanthanide-Metal-Organic Frameworks as Temperature and Colour Gradient Sensors	Prof. Haq Nawaz Sheikh	Chemistry	SERB	03-06-2019	61,22,071
31.	Evolution of quasi-particle structure of some deformed nuclei lying in the mass range $100 \leq A \leq 150$	Prof. Arun Bharti	Physics	SERB	03-06-2019	25,00,000
32.	Characterization of grapheme oxide based heterogeneous nanomaterials and investigation of their potential in organic transformations,	Dr. Monika Gupta	Chemistry	SERB	03-06-2019	57,64,264

	photoluminescence and in photodegradation					
33.	Development of Phyto-micro Remediation System for EOP (End of Pipe) Textile Wastewater Treatment	Dr. Piyush Malaviya	EVS	SERB	04-06-2019	37,74,540
34.	Post harvest management of corm rot disease in crocus sativus by nanoformulation	Dr. Madhulika Bhagat	Biotechnology	AYUSH	04-06-2019	29,75,280
35.	Synthesis, Characterization and evaluation of functional nanomaterials for semiconductor applications.	Dr. Sandeep Arya	Physics	SERB	06-06-2019	29,09,500
36.	Thermophysical and rheological studies of some drugs in aqueous solutions of (choline chloride + urea) deep eutectic solvents.	Dr. Ashwani Kumar	Chemistry	SERB	06-06-2019	56,67,840
37.	Genome wide association studies (GWAS) of maize roots for improving traits regulating phosphate use efficiency.	Dr. Sikander Pal	Botany	SERB	10-06-2019	46,66,300
38.	Design and Optimisation of Low Voltage and Low Power Circuits For Biomedical Applications	Dr. Rockey Gupta	Electronics	SERB	10-06-2019	2,33,1800
39.	Fabrication and Characterization of Triboelectric Nanogenerator (TENG) for advanced self powered device applications	Prof. Rakesh Vaid	Electronics	SERB	10-06-2019	1,26,23000
40.	Some classes of Variational Inequalities and Equilibrium Problems	Dr. Tirth Ram	Mathematics	SERB	20-06-2019	6,12,000
41.	Database Development on Diversity and Indigenous Knowledge on Macrofungi in Trans Himalayan District of Kargil- Evaluating the Social, Economic and Cultural Value of Mushrooms in Lifestyle of the Local Communities.	Prof. Yash Pal Sharma (P.I), Prof. Rupam Kapoor(Co-P.I)	Botany	NHMS	21-06-2019	1,05.32,943
42.	Optimizing fertigational quality of distillery wastewater for agricultural use with special reference to Psum sativum L.	Dr. Piyush Malaviya	EVS	DST-WTI	25-06-2019	29,32,440
43.	Genome and metablome based mining of anti fungal compound from biocontrol Bacillus against saffron corm rot causing Fusarium oxysporum	Dr. Jyoti vakhlu	Biotechnology	IFCPAR	11-07-2019	1,538,800
44.	‘Each One Teach One’ AS AN Experiential learning in Jammu District.	Dr. Sushanta Kumar Panda	Education	MGNCRE	18-07-2019	40,000
45.	Indian Participation in the ALICE Experiment at CERN 2019-2026	Prof. Anju Bhasin (PI), Er. Anik Gupta (Co-PI)	Physics	DST	22-07-2019	7.53 crore

46.	Refining of fermentation residues from biogas plants	Dr. B.K. Bajaj	Biotechnology	DST	23-07-2019	35,55,000
47.	Development of rare earth metals doped novel perovskite materials to construct luminescent assemblies for optoelectronic domains	Dr. Sandeep Arya, Co-P.I-Dr. Robert Torala (Poland)	Physics	DST	24-08-2019	13,68,000/-
48.	Developing Strategic Framework for Digital Financial Inclusion: Investigating Indian Consumer Switching Behaviour from Cash to Digital Payments	Dr. Anil Gupta	SHTM	UGC- STRIDE	25-09-2019	18,39,325
49.	Lignocellulosic biomass as a potentially sustainable and environmentally- friendly resource for biofuel production.	Dr. B.K Bajaj, Co-P.I- Prof. Satya Paul, Dr.Piyush Malviya, Dr. Harish Dutt	Biotechnology	UGC- STRIDE	25-09-2019	41,13,000
50.	Development of Phragmites based constructed wetland treatment system for remediation of textile wastewater.	Dr. Piyush Malviya, Co-P.I-Dr. B.K Bajaj	EVS	UGC- STRIDE	25-09-2019	35,44,560
51.	Mapping the Matrix of Cultural Contexts in Dogri Folk songs: Digital Bridges from People to Public Repertories	Dr. Garima Gupta	English	UGC- STRIDE	26-09-2019	49,41,495
52.	A pilot study on Psycho social, Biochemical association of SNPs in Adolescents of Jammu Distt.	Dr Pallavi Sachdeva, Co. P.I-Dr Madhulika Bhagat	Life long Learning	UGC- STRIDE	26-09-2019	4,744,570
53.	Guru Nanak Dev Ji Duavara Rachit Kav Vich Perkirti Da Chitran: Vishleshan Ate Mulankan.	Dr. Harjinder Singh, Co-PI-Dr. Tiratharaj Bhoi, Dr Anupama	Punjabi	UGC- STRIDE	26-09-2019	8,89,240
54.	Archaeological sites and restoration of identity through the development of Tourism in Jammu Region	Dr. Tirha Raj Bhoi, Co-PI-Dr. Tarsem Lal, Dr. Malaya Dey	History	UGC- STRIDE	26-09-2019	11,03,800
55.	Gastronomy Tourism as a Tool for Promoting Socio-Economic Development- A Case of Jammu and Kashmir	Dr. Suvidha Khanna	SHTM	UGC- STRIDE	27-09-2019	16,65,000
56.	Skill Archives for the preservation of the skill of art and crafts of West Bengal	Dr. Malay Dey, Co-P.I- Ashis Ghosh	Centre for Studies in Museology	UGC- STRIDE	27-09-2019	18,43,720
57.	Musealisation for Safeguarding Intangible Cultural Heritage of Jammu Province through Living Museum	Prof. Poonam Choudhary (P.I), Dr. Malay Dey (Co P.I), Dr Sanjay Sharma, Dr. Mandakini Sharma, Dr. Sadar Biswas	Centre for Studies in Museology	UGC-STRIDE	30-09-2019	85,50,000

58.	Role of Swachh Bharat Abhiyan in catalyzing youth civicEngagement:Mitigating ‘Value Action Gap’ for promoting Environmental Citizenship Behaviour	Dr. Anil Gupta	SHTM	ICSSR under IMPRESS Scheme	10-10-2019	10,35,000 (plus 5% Institutional Overhead)
59.	Homestay in Himalayas: Promoting Innovative Livelihoods for Sustainable Landscape Management and Socio Economic Upliftment	Prof. Parkshat Singh Manhas	SHTM	ICSSR	10-10-2019	14,97,750
60.	Empirical Assessment of the determinants of Rural Entrepreneurship and its impact on rural development: A study of Jammu region	Dr. Vivek Sharma	SHTM	ICSSR under Impress Scheme	11-10-2019	14,60,000
61.	Role of Social Entrepreneurship in Building Craftsmanship’s at Conflict Ridden Tourist Destinations	Prof. Parikshat Singh Manhas	SHTM	ICSSR	14-10-2019	49,80,000
62.	Health and Nutrition among The Gujjar Tribal Children For Socio-Economic Upliftment with Special Focus on Girl Child In Jammu Region (J&K)	Dr. Md. Sarfaraz Asgher (P.I), Dr. Rajender Singh (Co P.I)	Geography	ICSSR under Impress Scheme	14-10-2019	15,00,000
63.	Assessment of rural development programmes for effective and sustainable rural planning: A Geo-spatial evaluation of Samba district of J&K.	Dr. Shashi Prabha	Geography	ICSSR	16-10-2019	15,00,000
64.	Border controlled health status of Jammu Province:Conflict and survival , a human disaster.	Prof. Anuradha Sharma	Geography	ICSSR	16-10-2019	15,00,000
65.	Development of markers based on stable isotope patterns (SIP) and corm core-microbiome in crocus sativus (saffron) for geographic origin	Dr. Jyoti Vakhlu	Biotechnology	OeAD G- mbH Austria	22-10-2019	20,000 Euro
66.	Development of plant growth promoting native bacillus nano-bioformulations for saffron	Dr. Jyoti Vakhlu	Biotechnology	DBT	22-10-2019	1,00,00,000
67.	Investigations on environment and rice genotype interaction on plant microbiome towards sustainable rice production in India and Sri Lanka	Dr. Jyoti Vakhlu	Biotechnology	DST	28-10-2019	68,00,000
68.	Can planned impermanence and the circular economy help build sustainable tourism destinations? A multi-method study of ephemeral Indian megacities	Dr. Anil Gupta	SHTM	HRD under SPARC	30-10-2019	62,23,200
69.	Exploring Oral Traditions in Kashmir: Reflections of Role of History in the Community	Dr. Madhulika Singh	History	ICHR	05-11-2019	5,00,000
70.	Evaluation corm endo-microbiome,as molecular marker to select elite varieties in vegetatively propagating plants	Prof. Jyoti Vakhlu	Biotechnology	SERB (SUPRA)	26-11-2019	50,00,000



71.	Commercial evaluation of saffron production under greenhouse conditions using PGP Bacillus aryabhatai in Jammu region (J&K).	Prof. Jyoti Vakhlu & Dr. Narinder Panotra	Biotechnology	BIRAC	29-11-2019	50,00,000

**LIST OF PROJECT PROPOSALS SUBMITTED DURING THE YEAR 2020**

S.No	Title of the Project	Submitted By	Department	Agency	Date	Budget
1.	Designing and catalytic activity of titania based nanocomposites in photodegradation of antibiotics and in organic synthesis.	Dr. Monika Gupta	Chemistry	DST SERB	3-3-2020	42,80,584
2.	Development of Luminescent Lanthanide-Metal- Organic Frameworks as Temperature and Colour Gradient Sensors	Prof. Haq Nawaz Sheikh	Chemistry	SERB	3-3-2020	62,67,085
3.	Characterization and cloning of some genes involved in shikimate and ellagitannin biosynthetic pathways in wild pomegranate (Punica granatum L.)	Dr. Ritu Mahajan and Dr. Nisha Kapoor	Biotechnology	DST	3-3-2020	33,73,200
4.	Investigation of electrodes developed from synthesized nanomaterials for electrochemical sensing applications	Dr. Sandeep Arya	Physics	SERB	3-3-2020	16,17,000
5.	Understanding the Psycho-Social Profile of youth in J&K	Dr. Arti Bakshi and Dr. Richa Gupta (Co-P.I)	Psychology	DRDO	19-03-2020	9,00,000
6.	Genesis of Paddar Sapphire, Deposit, J&K (India)	Prof. P.k Srivastava	Geology	Ministry of Mines	20-08-2020	99,96,960
7.	Teaching- Learning Transaction Through SMART class in India and Thailand: A Comparative Study	Dr. S.K Panda	Education	ICSSR	28-09-2020	6,00,000
8.	Diversity, ecology and psychrozyme potential of cold tolerant cultivable fungi from high altitude cold arid regions of the trans-Himalayan region	Dr. Skarma Nonzom	Botany	J&K Science Technology & Innovation Council, Govt. of J&K	11-11-2020	10,08,000
9.	Status survey, eco-taxonomy and ecological modeling of Dactylorhiza hatagirea (D.Don) Soo. In Jammu & Kashmir	Dr. Harish Chander	Botany	J&K Science Technology & Innovation Council, Govt. of J&K	17-11-2020	9,96,450
10.	Synthesis and characterization of Nickel based nanowires for developing self- charged supercapacitors	Dr. Sandeep Arya	Physics	J&K DST	19-11-2020	10,00,000

11.	Development of simple sequence repeat markers in wild pomegranate and their cross species transferability	Dr.Ritu Mahajan	Biotechnology	J&K Science Technology & Innovation Council, Govt. of J&K	19-11-2020	10,00,000
12.	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	Dr. Nisha Kapoor	Biotechnology	J&K Science Technology & Innovation Council, Govt. of J&K	19-11-2020	10,00,000
13.	Optimizing fertigational quality of distillery wastewater for agricultural use with special reference to Pisum sativum L.	Prof. Piyush Malaviya	EVS	J&K Science Technology & Innovation Council, Govt. of J&K	19-11-2020	10,00,000
14.	Molecular Genetic study of Kidney stone (Nephrolithiasis) in Jammu Region of J&K UT.	Dr. Parvinder Kumar	Zoology	J&K Science Technology & Innovation Council, Govt. of J&K	27-11-2020	10,00,000
15.	MicroRNAs expression profiling for exploring their potential use as diagnostic molecular biomarkers in human prostate cancer	Dr. Rakesh Kumar	Zoology	J&K Science Technology & Innovation Council, Govt. of J&K	27-11-2020	10,00,000
16.	Designing and catalytic activity of titania based nanocomposites in photodegradation of antibiotics and in organic synthesis	Dr. Monika Gupta	Chemistry	DST	14-12-2020	30,26,584
17.	Colorimetric sensing of Ketones via template assisted electrochemically synthesized nanowires.	Dr. Sandeep Arya	Physics	DST	23-12-2020	49,94,264
18.	Geomorphic and Palaeoseismic studies along the Kishtwar Strike Fault, Northwest Himalaya	Prof. S.K Pandita	Geology	J&K Science Technology & Innovation Council	23-12-2020	10,00,000
19.	Identification , isolation and characterization of bioactive peptides having antidiabetic potential from the seeds of Cucumber , Pumpkin, Watermelon,melon usually denoted as Char-Magaz in India	Dr. Nisha Kapoor	Biotechnology	SERB	31-12-2020	30,00000
20.	Identification of Active Fault Segments vis-à-vis potential landslides along the Mughal road, Jammu and Kashmir,” A Sustainable development perspective”	Dr. Yudhbir Singh	Geology	J&K Science Technology and Innovative Council	31-12-2020	10,00000

**LIST OF PROJECT PROPOSALS SUBMITTED DURING THE YEAR 2021**

S.No.	Title of the Project	Submitted by	Department	Agency	Date	Budget
1.	Synthesis and characterization of Nickel and Manganese based nano thin-film for high performance self charging supercapacitors	Dr. Sandeep Arya	Physics	DST	01-01-2021	70,29,616
2.	Coins of Hindu Kings of Kashmir: A Study	Dr. Sonia Jasrotia	Buddhist Studies	ICHR	11-01-2021	6,31,200
3.	Seismotectonic Analysis of the Jammu and Kashmir region	Prof. G.M Bhat	Geology	MoES New Delhi	21-01-2021	
4.	Sediment, Water quality and Eutrophication Analysis of Surinsar-Mansar Lakes, Jammu.	Dr. Deepika Slathia	EVS	J&K, Water Resource Regulatory Authority, Jammu	01—2-2021	1,20,000
5.	Characterization and refugia discovery of elite germplasm of Buckwheat in Jammu, Kashmir and Ladakh	Dr. Harish Chander (P.I) & Dr Manzoor Shah (Co-P.I)	Botany	Deptt. of Biotechnology, GoI	19-02-2021	57,50,988
6.	Development of Luminescent Lanthanide- Metal- Organic Frameworks as Chemical Sensors	Prof. Haq Nawaz Sheikh	Chemistry	SERB	23-02-2021	62,90,889
7.	Identification of root traits regulating phosphate uptake, use efficiency and nutritional profile in Himalayan maize germplasm.	Prof. M.K Dhar (Coordinator), Dr. Sikander pal PI 1, Dr. Dheeraj Vyas (IIIM,Jammu) PI2, Prof. Ranjan Das (Assam Agriculture University) PI3, Dr. Gurdev Chand (SKUAST) PI4	Botany	Deptt. of Biotechnology , Govt. of India.	25-02-2021	123.28 lacs
8.	Synthesis and characterization of Cobalt based nanowire arrays as proficient electrodes for multifarious supercapacitors	Dr. Sandeep Arya	Physics	SERB	36,44,344	25-02-2021
9.	Production of Bacillus-----Cultivating location.	Dr. Jyoti Vakhlu, Dr. Asha Chaubey, Mr. Shabeer Ahmed	Biotechnology	DBT	~ 50	25-02-2021
10.	Effect of deep eutectic solvents on the thermodynamics and DFT properties of some drugs in aqueous media	Dr. Ashwani Kumar	Chemistry	DST	25,20,000	01-03-2021
11.	Synthesis of hybrid molecules based on styryl quinoxalinones, donepezil and other bio-active heterocyclic compounds as anti- Alzheimer agents	Prof. kamal K Kapoor (P.I), Dr. Ajay Kumar	Chemistry	DST	58,21,992	4-03-2021
12.	Development of on-site barcode based LAMP- diagnostic assay for pathogenic Fusarium oxysporum in saffron fields	Prof. Jyoti Vakhlu	Biotechnology	DST	~ 50 lac	4-03-2021

13.	Identification of novel root traits regulating phosphate uptake and use efficiency in maize germplasm of North West Himalayas	Dr. Sikander Pal (P.I), Dr. Gurdev Chand (Co-P.I)	Botany	SERB DST	45.43 lac	4-03-2021
14.	Fabrication and characterization of thin-film transistors using organic- inorganic hybrid gate dielectrics	Prof. Rakesh Vaid, P.I, Prof. Nandu B Chaure Pune, Co-P.I	Electronics	SERB	28,64,000	5-03-2021
15.	Ecological investigation of some rural wetlands of Jammu region. J&K (UT)	Dr. Arti Sharma (P.I), Dr. Surinder Paul Sharma	Zoology	SERB, DST	44,68,600	08-03-2021
16.	Bioprospecting and functional characterization of new/novel probiotics isolated from exotic eco-niches of Jand K for potential anti-inflammatory activity	Dr. B. K Bajaj (P.I)	Biotechnology	SERB, DST	39.50 lacs	09-03-2021
17.	Geodynamics study of the northwestern Jammu Himalayan region using earth observatory and geospatial technology	Dr. Ajay Kumar Taloor	Remote Sensing & GIS	RESPOND & AI- ISRO	12405920	10-03-2021
18.	Development of an automated system for root imaging and analysis in plants	Prof. Parveen K. Lehana (PI), Dr. Sikander Pal (Co-PI)	Electronics	SERB,DST	25 Lacs	15-03-2021
19.	Evolution and Palaobiogeographic apparsials of Late Neogene vertebrate Fauna of Jammu Province,India.	Dr. Som Nath	Geology	SERB	21,06,000	21-06-2021
20.	Impact of covid -19 on educational equality: Revisitng digital gap between students from different socioeconomic status	Dr. Sushant Kumar Panda	Education	ICSSR	12,04,0000	21-06-2021
21.	Characterization and Cultivation of wild Pomegranate (Punica granatum L.) for Generating Livelihood Security and Entrepreneurship in Himalayan Region of Jammu Division of J&K.	Dr. Ritu Mahajan, Dr. Nisha Kapoor (Co-P.I)	Biotechnology	DBT	97,43,600	28-06-2021
22.	State , Democracy and Electrol Process: A Case Study of Bhutan	Dr. Suneel Kumar	Strategic and Regional Studies	ICSSR	10,54000	25.08.2021
23.	Civic Engagement and Environmentally Responsible Behaviour for Sustainability in Himalayan Destinations : A Study examining Resident willingness to Negotiate Constraints	Dr. Anil Gupta	SHTM	ICSSR	12,60,000	1.09.2021
24.	Role of Financial inclusion in socio-economic development of urban slum dwellers working in unorganized sector during covid-19	Dr. Tarsem Lal	Commerce	ICSSR	500,000	1.09.2021
25.	Reviving Dynamic Capabilities for sustainable performance of SMES in Jammu Distt.	Dr. Harleen	Commerce	ICSSR	5 lacs	1.09.2021
26.	An Empirical scrutiny of open Innovation and SMEs Performance	Dr. Harleen	Commerce	ICSSR	15 lacs	1.09.2021

27.	Impact of financial inclusion measures on socio-economic development of urban slum dwellers during covid-19	Dr. Tarsem Lal	Commerce	ICSSR	15 lacs	1.09.2021
28.	Measuring subjective wellbeing of Young Professionals : A Psychological Ownership Perspective	Dr. Shelleka Gupta	Business School	ICSSR	11 Lacs	2.09.2021
29.	Paradigm Shifts in Tourist spending Patterns Amidst Covid-19 Pandemic : Strategic Implications for sustainable tourism development	Dr. Amisha Gupta	Business School	ICSSR	15 lacs	2.09.2021
30.	Assessment of the role of select entrepreneurship and skill development schemes in rural poverty alleviation: A study of J&K & Ladakh UTs	Dr. Aubid Hussain Parrey	Business School	ICSSR	11,65000	2.09.2021
31.	Examining the Impact of organizational capabilities on Business Performance	Dr.Sunil Kumar	Commerce	ICSSR	5 lac	3.09.2021
32.	Impact of Existing Inclusive policies and Programmes in Protecting and Promoting Interest of Tribal Communities	Prof Jasbir Singh & Neharica Subhash	Social Sciences	ICSSR	15 lacs	3.09.2021
33.	Analysing the Effectiveness of Governance Reforms in Reorganized Jammu & Kashmir _ A Servqual Approach	Prof. Alka Sharma & Dr. Anil Gupta	Business School	ICSSR	17,11.500	6.09.2021
34.	Statusof work education in government elementary schools in Jammu and Kashmir- An Evaluative Study	Dr. Sushanta Kumar Panda, Dr. Asit Kumar Mantri	Education	MGNCRE, Hyderabad	9,92,225	6.09.2021
35.	Indigenous health practices; Educational Status and Rehabilitation of deaf-mute tribal students : A case study of Dhadhkai village of Doda distt. UT of J& K	Prof. Renu Nanda	Education	ICSSR	1224000	8.09.2021
36.	National Human Resource Development and Innovation: A Diagnosis into Atal Innovation Mission as an emergent Innovation Intervention in Indian context.	Dr. Isha Sharma	IccR & HRM	ICSSR	4,82,000	13.09.2021
37.	System Biology, Molecular characterization along with nanoformulation approaches in the management of Crocus sativus	Dr. Madhulika Bhagat & Dr. Sugunakar V (Co P.I)	Biotechnology	SERB-POWER	29,87,841	29-09-2021
38.	Investigating the role of mi RNA's as potential biomarker and therapeutic target in Alzheimers disease.	Chinmoyee Maharana	Zoology	SERB	30 lakhs	30-09-2021
39.	Advance interferometry based techniques for estimation of glacier surface velocity and monitoring the triggering for GLOfs in the Warwan and Bhut sub basins of the Chenab basin Jammu and Kashmir, Western Himalaya	Dr. Ajay Kumar Taloor	Remote Sensing & GIS	ISRO	22,12,240	12-11-2021
40	Studies on the healing abilities and potential treatment of skin disorders particularly psoriasis with Chamliyal's clay	Dr. Jyoti Vakhlu, Dr. Swarkar Sharma	Biotechnology	ICMR	150 Lakhs	21-11-2021
41	Development of ecofriendly pest management strategy for lavender crop using Entomopathogenic nematodes and Artificial Intelligence.	Dr. Ripu Daman Parihar, Dr. Jatinder Manhas, Dr Jagdeesh Patil	Zoology	DST	4975000	29-11-2021

42.	Investigation of anti-inflammatory potential of functionally characterized probiotic bacteria isolated from unique fermented foods of jammu and Kashmir	Dr. B..K Bajaj	Biotechnology	ICMR	35,50,440	9-12-2021
43.	Studies on the healing abilities and potential treatment of skin disorders particularly psoriasis with Chamliyal's clay	Dr. Jyoti Vakhlu, Dr. Nisha Kapoor	Biotechnology	ICMR	150 lacs	14-12-2021
44	Association of insulin signaling interacting genes with polycystic ovarian disease Patients from Jammu region.	Dr. Rakesh Kumar, Dr. Parvinder Kumar	Zoology	ICMR	48,96000	17-12-2021

## LIST OF PROJECT PROPOSALS SUBMITTED DURING THE YEAR 2022

S.No.	Title of the Project	Submitted by	Department	Agency	Date	Budget
1.	Development of Entomopathogenic nematode formulations and delivery strategy for managing apple pests using Drome technology in J&K	Dr. Ripu Daman Parihar	Zoology	SERB	23-02-2022	29,99,000
2.	Characterization and Time Resolution Study of the Silicon Photomultiplier Detector (SiPM) using Scintillator Tiles	Dr. Rajendra Nath Patra	Physics	SERB	24-02-2022	29.5 lakhs
3.	Mapping Geographical inequalities in the spatial distribution of Health care facilities and appropriate site selection for the establishment of new Health care Infrastructure in the rural areas of Jammu Distt., J&K using Geospatial Technologies.	Dr. Rajender singh	Geography	SERB	11-02-2022	1805000
4.	Assesment and Conservation of Biodiversity in the Kalidhar Range of North Western Himalayas	Dr. Surinder Paul Sharma, Co P.I's Dr. Rajender Singh, Dr. Bashir Ahmad, Dr. Narinder Kumar, Dr. Harish Chander	Zoology	SERB	30-03-2022	32,68,000
5.	Design strategies for lead-free tin-based perovskite solar cells (PSCs) fabricated under ambient atmosphere to attain higher stability and efficiency.	Dr. Sandeep Arya	Physics	SERB	6-04-2022	49,80,448
6.	Study on changing Patterns of Gender Parity and Equity in the Secodary Schools: A Comprehensive study between Taiwan and India	Dr. Sushanta Kumar Panda	Education	ICSSR	07-04-2022	12,90,000
7.	Investigation of gut microflora in diabetes and interventions by probiotics	Dr. B.K Bajaj	Biotechnology	SERB	11-04-2022	47,84 lakhs
8.	Design, synthesis and biological applications of next generation cyanoimidazopyridine based fluorescent chemosensors	Prof; Kamal K Kapoor & Dr. Raman Parkesh (Co-PI)	Chemistry	DST	12-04-2022	Between 35 Lakh and 40 Lakhs
9.	Biofloc Technology in sustainable growth of some freshwater culturable fishes	Dr. Arti Sharma & Dr Surinder Pal Sharma	Zoology	SERB	12-04-2022	35,07,500
10.	Fabrication and characterization of a low cost power efficient triboelectric nanogenerator (TENG) with different composite polymer layers for wearable electronic devices.	Prof. Rakesh Vaid	Electronics	SERB	13-04-2022	35,74,000
11.	Application Potential of Nanotechnological Approaches for Efficacious Conversion of Lignocellulosic Biomass to Biofuel-Ethanol	Dr. Nisha Kapoor and Dr. Bijender Kumar Bajaj	Biotechnology	SERB	22-04-2022	42.75 Lakhs

12.	A Comprehensive study on molecular interactions of some organic salts in aqueous solutions of ionic liquids at varying temperatures and compositions: Spectroscopic, thermodynamic and theoretical insights	Dr. Ashwani Kumar	Chemistry	DST	27-04-2022	39,27,840
13.	Development of Hybrid Materials from Lanthanide Molybdate and Graphene Oxide as Electrochemical Sensors	Prof. Haq Nawaz Sheikh	Chemistry	SERB	27-04-2022	42,35,264
14.	Identification and characterization of new antifungal agents targeting potential biological processes in <i>Venturia inaequalis</i> , the causal agent of apple scab	Dr. Yash Paul Khajuria	Biotechnology	SERB	27-04-2022	45,50,000
15.	Livelihood generation through potential habitat modeling of ecological and economical important orchids of Jammu, Kashmir and Ladakh	Dr. Harish Chander	Botany	SERB-DST	28-04-2022	32,55,252
16.	Assessment of diversity and distribution, establishment of field gene bank and conservation of <i>Eremostachys superba</i> , an endangered medicinal plant species of lower Himalaya	Prof. Susheel Verma	Botany	JKS&T Innovation council deptt. of Science & Technology	26-05-2022	12,00,000
17.	Investigations on nutritional and clinical significance of fresh water crabs with a special emphasis on the effects of frozen storage on their biochemical composition	Prof. Seema Langer	Zoology	JKST & IC	26-05-2022	12,00,000
18.	Genome wide association studies (GWAS) of maize roots for improving traits regulating phosphate use efficiency	Dr. Sikander Pal	Botany	JKST&IC	26-05-2022	12,00,000
19.	Investigation of circulatory miRNAs in neurodegenerative diseases: Implications for biomarker discovery and therapeutics	Dr. Chinmoyee Maharana	Zoology	JKST&IC	26-05-2022	12,00,000
20.	Identification of the genes and metabolites responsible for plant growth promotion and biocontrol activity of <i>Bacillus</i> sp. Strain D5 of saffron	Dr. Jyoti Vakhlu, Dr. Sheetal Ambardar	Biotechnology	JKST&IC	26-05-2022	12,00,000
21.	Screening of Entomopathogenic nematodes from soils of Jammu region and their efficacy against apple pest.	Dr. Ripu Daman Parihar	Zoology	JKST&IC	26-05-2022	11,98,000
22.	Development of polymeric nanogels loaded with essential oil from medicinal and aromatic plants	Dr. Madhulika Bhagat	Biotechnology	JKST&IC	27-05-2022	12,00,000
23.	Anti-inflammatory potential of probiotic lactic acid bacteria isolated from unique ecological niches of Jammu and Kashmir	Prof. Bijender Kumar Bajaj	Biotechnology	JKST&IC	27-05-2022	12,00,000
24.	Synthesis of hybrid molecules based on styrylquinoxalinones, donepezil and other bio-active heterocyclic compounds as anti-Alzheimer agents	Prof. Kamal Kapoor	Chemistry	JKST&IC	27-05-2022	12,00,000
25.	Development of Luminescent Lanthanide-Coordination Polymers/Metal organic Frameworks as Chemical sensors	Prof. Haq Nawaz Sheikh, Dr. Manish Kumar	Chemistry	SERB	27-05-2022	11,95,000



26.	Temperature dependent physicochemical studies of citrates/tartrates in aqueous solutions of ionic liquids	Dr. Ashwani Kumar	Chemistry	JKST&IC	27-05-2022	11,99,400
27.	Assimilating Domain Knowledge using Ontology Mapping for Enhanced reasoning capability	Prof. Lalit Sen Sharma	Comp. Sc. & IT	JKST & IC	27-05-2022	10,12,000
28.	Ecological Investigations of some rural wetlands of Jammu region, J&K (UT)	Dr. Arti Sharma Dogra	Zoology	JKST&IC	27-05-2022	12,00,000
29.	Genetic Characterization of a few Undiagnosed rare disorder prevalent in the population of Jammu and Kashmir	Dr. Ankit Mahajan	Biotechnology	JKST&IC	27-05-2022	12,00,000
30.	Taxonomic characterization of Ostracod of Jammu Waters.	Dr. Sarbjeet Kour	Zoology	JKST&IC	27-05-2022	12,00,000
31.	Evaluation of cytological , molecular and biochemical diversity in <i>Drimia indica</i> (Roxb.) Jessop	Prof. Veenu Kaul	Botany	JKST&IC	30-05-2022	12,00,000
32.	Exploration of variability in genetic systems of <i>Artemisia</i> species abounding NW Himalayas with emphasis on the economic and evolutionary significance of chromosomal races	Prof. Namrata Sharma	Botany	JKST&IC	30-05-2022	12,00,000
33.	Assessment of interpopulation variability in meiotic aspects , breeding systems and bioactive components of <i>Mentha longifolia</i> from Jammu province	Dr. Geeta	Botany	JKST&IC	30-05-2022	13,20,000
34.	Microbiome analysis of the rhizosphere of medicinal herb Tulsi	Dt. Sheetal Ambardar and Dr. Jyoti Vakhlu	Biotechnology	JKST&IC	30-05-2022	12,00,000
35.	Assessment of climate change on the sustainability of wetlands in Jammu Division	Dr. Md. Sarfaraz Ashgher and Dr. Rajender Singh	Geography	SERB	30-05-2022	12,00,000
36.	Spatial distribution source identification , Ecological and Health Risk Assessment of Heavy Metals in Road Dust Sediments of Jammu Urban Area	Dr. Rakesh Kumar	EVS	JKST&IC	30-05-2022	11,96,000
37.	Synthesis of photo-catalytically active nano-crystalline mixed metal Oxides and their applications in the removal of organic dyes for environmental remediation.	Prof. Devinder Singh	Chemistry	JKST&IC	30-05-2022	12,00,000
38.	Surface Fabrication of Biopolymer Scaffolds with Nano Hydroxyapatite and Extract of <i>Agave marmelos</i> and/or <i>Catharanthus Roseus</i> for bone regeneration : An In-Vitro study.	Dr. S Bharathiraja and Dr. Ankit Mahajan	Biotechnology	JKST&IC	30-05-2022	11,73,000
39.	Bioprospecting endophytic microbes from saffron for bioactive secondary metabolites.	Prof. Sanjana Kaul	Biotechnology	JKST&IC	31-05-2022	12,00,000
40.	New metal complexes with phosphor-1,1-dithiolate ligands: Synthesis, characterization and applications	Prof. Sushil Kumar Pandey	Chemistry	JKST&IC	31-05-2022	11,96,000
41.	Development of supported metal organic frameworks for removal of pollutants from waste water, and their applications in organic synthesis	Prof. Satya Paul	Chemistry	JKST&IC	31-05-2022	11,96,000

42.	Molecular signal intrusion using small molecule inhibitors and phytoestrogen to induce ovarian maturation of reared <i>Penaeus monodon</i> : an alternative to the eye stalk ablation method	Dr.S. Bharathiraja and Dr. Ambika Binesh	Biotechnology	DBT	13-06-2022	33,78,520 (Univ. of Jammu) 31,08,520 (Dr. Jayalalitha Fisheries Univ.
43.	Association of insulin signaling interacting genes with polycystic ovarian syndrome in patients from jammu region	Dr. Rakesh kumar	Zoology	DST	28-06-2022	42,82,000
44.	Development of a virtual AI based interactive online platform for academic institutions.	Prof. Parveen Kumar Lehana (P.I), Prof. Pawnesh Abrol, DrAshok Kumar	Electronics	SERB	29-07-2022	48.78 lacs
45.	BUILDER- University of Jammu Interdisciplinary Life Sciences Programme	Prof. M.K Dhar	Life Sciences	DBT	10-08-2022	10 Crores
46.	Piezoelectric materials based devices for energy harvesting	Dr. Sandeep Arya	Physics	SERB	22-08-2022	N/A
* 47. 1	Glacier Studies in Indus (North/South) basin	Dr. A.S. Jasrotia	Remote Sensing &GIS	ISRO	08 <sup>TH</sup> Sept. 2022 for 03 yrs.	22.2 lacs
48	Design, synthesis and biological applications of next generation cyanoimidazopyridine based fluorescent chemosensor	Prof. Kamal K. Kapoor	Chemistry	SERB	19-Dec.-2022	39,63,264/- (Sanctioned to Jammu University: Rs.29,37,264/-)
49	A comprehensive study on molecular interactions of some organic salts in aqueous solutions of ionic liquids at varying temperature and compositions: Spectroscopic, thermodynamics and theoretical insights	Dr. Ashwani Kumar	Chemistry	SERB	29 Dec., 2022	38,62,643/-
50	Biodiversity assessment documentation and conservation of wild flora and fauna including Management Plan of Sud-Mahadev Conservation Reserve	Dr. Neeraj Sharma	Bhaderwah Campus		30-09-2022	30.0 lacs
51	"DBT-BUILDER-University of Jammu Interdisciplinary Life Science Programme for Advanced Research and	Prof. M.K. Dhar Project Co-ordinator	Biotechnology	DBT	30-11-2022	9,28,62343/-

	Education".					
52.	Mission Program on Pediatric Rare Genetic Disorders	Dr. Parvinder Kumar	Zoology (Entered on 31-10-2023)	DBT	30-03-2022	1,05,80,800/-

## LIST OF PROJECT PROPOSALS SUBMITTED DURING THE YEAR 2023

S.No.	Title of the Project	Submitted by	Department	Agency	Date	Budget
1.	Biodiversity assessment documentation and conservation of wild flora and fauna including Management Plan of Bani Wildlife Sanctuary	Dr. Neeraj Sharma	Bhaderwah Campus		09-01-2023	32.0 lacs
2.	Mapping Geographical inequalities in the spatial distribution of Health care facilities and appropriate site selection for the establishment of new Health care Infrastructure in the rural areas of Jammu District, J&K using Geospatial Technologies	Dr. Rajender Singh	Geography Dept.		02-03-2023	2176160/-
3.	“Stable isotope and endomicrobiome as a marker for origin of saffron in absence of genetic markers”	Dr. Jyoti Vakhlu	Biotechnology	DST	23-06-2023	7,82,000/-
4.	Impact of PM Ujjwala Yojana in Empowering Households: A Study on Jammu & Kashmir UT	Dr. Aubid Hussain Parrey	The Business School	ICSSR	29 <sup>th</sup> August, 2023 (Sanction order dated )	13,00,000/-
5.	A Study of Financial Sustainability and Investor Perception of Innovative Businesses in Jammu and Kashmir (UT) supported by Atal Innovation Mission	Dr. Amisha Gupta	The Business School	ICSSR	29 <sup>th</sup> August, 2023 (Sanction order dated 29-09-2023)	4,50,000/-
6.	Analyzing Impact of Indian Start-up Ecosystem in UT of J&K	Prof. Vinay Chauhan	The Business School	ICSSR	29 <sup>th</sup> August, 2023 (Sanction order dated )	14,00,000/-
7.	The Contribution of Media towards Social Security and Poverty Alleviation: A Study of Jan Dhan Yojna in Biorder Districts of Jammu	Dr. Garima Gupta	Journalism and Media Studies	ICSSR	29 <sup>th</sup> August, 2023 (Sanction order dated 21-09-2023)	12,00,000/-
8.	Preserving the post, shaping the Future: Examining Local Perceptions of Asi Ambaran’s Heritage Tourism in Akhnoor	Dr. Rajesh Singh (Contractual)	SHTM		15-09-2023	No funding

9.	Synthesis and characterization of a Triboelectric Nanogenerator (TENG) with Graphene based Porous PDMS-PTFE Composite Film for smart wearable devices	Prof. Rakesh Vaid	Electronics	SERB	20 <sup>th</sup> September, 2023	26,72,320/-
10.	Assessment of glacier-climate functional relationships across the Indian Himalayan region through long-term network observations	Dr. Ajay Kumar Taloor	Remote Sensing & GIS	NHMS funded	19-09-2023	1,95,542,40/-
11	Geo-Strategic Importance of north-Western Borders of India (1 year)	Dr. Virender Koundal	DSRS	ICSSR	22-12-2023	9,00,000/-
12	iHUB Divyasampark, IIT Roorkee, iHUB Divyasampark, Technology Innovation Hub (A joint initiative of DST Govt. of India and IIT Roorkee)	Dr. Jatinder Manhas	Computer Science & IT Bhabarwah Campus	iHUB	22nd September 2023	50,00,000/-

## LIST OF PROJECT PROPOSALS SUBMITTED DURING THE YEAR 2024

1	"Monitoring of WDC-PMKSY 2.0 projects using Geospatial Technologies", National Remote Sensing Centre (NRSC), Indian Space Research Organisation (ISRO), Department of Space, Balanagar, Hyderabad"	Dr. A.S. Jasrotia	Remote Sensing & GIS	ISRO	12 <sup>th</sup> January, 2024	4,95,000/-
2	Synthesis of photo-catalytically active nano-crystalline mixed metal oxides and their applications in the removal of organic dyes for environmental remediation (2yrs)	Prof. Devinder Singh	Chemistry	JKSTIC	24-01-2024	5,10,000/-
3	Geochemical Fractionation, Partitioning and Health Implications of Heavy Metals in Urban topsoils of Jammu City, India	Dr. Rakesh Kumar Atri	Env. Sciences	DST-SERB	05 <sup>th</sup> January, 2024	48,59,580/-
4	Investigation of circulatory miRs in neurodegenerative diseases: Implications for biomarker discovery and therapeutics (2 Yrs.)	Dr. Chinmoyee Maharana	Zoology	JKST&IC	24-01-2024	4,50,000/-
5	Investigations on nutritional and clinical significance of fresh water crabs with a special emphasis on the effect of frozen storage on their biochemical composition (2yrs.)	Prof. Seema Langer	Zoology	JKST&IC	23-01-2024	3.75 lakhs
6	"Synthesis of hybrid molecules based on styrylquinoxalimones, denopezil and other bio-active heterocyclic compounds as anti-Alzheimer agents" (2 yrs.).	Prof. Kamal K. Kapoor	Chemistry	JKST&IC	23-01-2024	5.50 Lakhs
7	Development of Luminescent Lanthanide-Coordination Polymers/Metal-Organic Frameworks as Chemical Sensors (2 Yrs.)	Prof. H.N. Sheikh	Chemistry	JKST&IC	24-01-2024	4.50 Lakhs
8	New metal complexes with phosphor-1, 1-dithiolate ligands: Synthesis, characterization and applications (2 yrs.)	Prof. Sushil K. Pandey	Chemistry	JKST&IC	24-01-2024	4.90 Lakhs
9	"Temperature dependent physiochemical studies of citrates/tartrates in aqueous solutions of ionic liquids (2 yrs.)	Dr. Ashwani Kumar	Chemistry	JKST&IC	24-01-2024	4.00 Lakhs
10	Development of supported metal organic frameworks for removal of pollutants from waste water; and their applications in organic synthesis (2 yrs.)	Prof. Satya Paul	Chemistry	JKST&IC	24-01-2024	5.10 Lakhs

11	Synthesis of photo-catalytically active nano-crystalline mixed metal oxides and their applications in the removal of organic dyes for environmental remediation (2 yrs.)	Prof. Devinder Singh	Chemistry	JKST&IC	24-01-2024	5.10 Lakhs
12	Assimilating Domain Knowledge using Ontology Mapping for Enhanced Reasoning Capability (2 yrs.)	Prof. Lalit Sen Sharma	Computer Science & IT	JKST&IC	24-01-2024	2.75 Lakhs
13	Exploration of variability in genetic systems of Artemisia species abounding NW Himalayas with emphasis on the economic and evolutionary significance of Chromosomal races (2 yrs.)	Prof. Namrata Sharma	Botany	JKST&IC	24-01-2024	4.00 Lakhs
14	Evaluation of cytological, molecular and biochemical diversity in <i>Drimia indica</i> (Roxb.) Jessop (2 yrs.)	Prof. Veenu Kaul	Botany	JKST&IC	24-01-2024	4.00 Lakhs
15	Genome wide association studies (GWAS) of maize roots for improving traits regulating phosphate use efficiency	Dr. Sikander Pal	Botany	JKST&IC	24-01-2024	4.50 lacs
16	Assessment of climate change on the sustainability of wetlands in Jammu Division	Dr. Md. Sarfaraz Asgher	Geography	JKST&IC	24-01-2024	3.00 lakhs
17	Variability Analysis of Climate Change for sustainable Agriculture: An Agro-Ecological based approach of the Himalayan and Sub Himalayan region of Jammu Division of Union territory of Jammu & Kashmir, India	Dr. Shashi Prabha	Geography	JKST&IC	24-01-2024	3.00 lakhs
18.	Landslide Inventory Mapping for Post Monsoon 2023 (MOU)	Dr. A.S. Jasrotia	Remote Sensing & GIS	ISRO	10th January. 2024	23.36 lacs
19.	Isolation of gene and metabolites responsible for plant growth promotion and biocontrol activity of <i>Bacillus</i> sp. Strain D5 of saffron (2 yrs.)	Prof. Jyoti Vakhlu	School of Biotechnology	JKSTIC	24-01-2024	4.10 Lakhs
20.	Investigations on nutritional and clinical significance of fresh water crabs with a special emphasis on the effect of frozen storage on their biochemical composition	Prof. Seema Langer	Zoology	JKSTIC	23-01-2024	3.75 lakhs







