

GOVERNMENT OF JAMMU & KASHMIR  
J&K SCIENCE TECHNOLOGY & INNOVATION COUNCIL  
Department of Science & Technology

SDA Colony, Bemina, Srinagar, 5-B/C Gandhi Nagar, Jammu  
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Registrar,  
University of Kashmir,  
Srinagar

No: - JKST&IC/25/2022/2132-33

Dated: - 27-12-2023

Subject:-Sponsoring of R&D projects under the scheme Sponsored Research and Extension" of JKST&IC, Details of the recommended projects- regarding  
Sir,

Kindly refer to the subject cited above, in this connection, JKST&IC hereby convey the sanction/ approval of **32 R&D** projects from your institution, recommended by the Technical Committee, for sponsorship during the FY 2023-24 and 2024-25. The 1<sup>st</sup> installment for sponsoring of these **32** projects comes out to **Rs 94,70,000/-** as first year budget, out of which an amount **Rs, 37,88,000/=(40% of first installment)** **has been credited into the** official account of your Institution, for its further disbursements among the concerned PI's of these projects.

**R&D projects is being attached herewith for your information and for its onward transmission to the concerned PI's.**

However, the individual sanction letters, indicating the terms and conditions for the utilization of the approved grants, time period etc. shall communicated in favor of the concerned PI's of the recommended projects through their respective e- mails . , in due course of time.

Yours faithfully

  
(Bilal Ahmad)  
Joint Director

Copy to:- Addl. Director , JKST&IC, Science & Technology Department, for information

**JK Science Technology & Innovation Council Department Of Science Technology**

**SDA Colony Bemina Srinagar**

**Projects Recommended By the Technical Committee Institution - University of Kashmir**

S.No	Name of the Principal investigator with contact details E-mail/Cell No.	Subject/Field	Title of the Project Proposal	Institution/Organization From Whom Received	Funds Recommended by the technical committee 1 <sup>st</sup> year	Funds to be Released ( 40%) of 1st Year
1	2	3	4	5	6	7
1	Dr.Hilal Ahmad Punoo Assistant Professor Deptt of Food Science & Technology Ph.No:-9906480112 hilalpunoo@gmail.com	Food Science & Technology	Development of functional yoghurt by the incorporation omega-3 fatty acids from vegetable sources.	University of Kashmir Hazratbal.Srinagar. Jammu & Kashmir	2,80,000	112000
2	Dr.Faheem A Sheikh Assistant Professor Deptt Of Bio Technology Ph.No.9797717235 faheemnt@gmail.com	Bio Technology	$\beta$ -cyclodextrin and zinc oxide nanoparticles incorporated in polyurethane nanofibers for regeneration of bone tissues	University Of Kashmir Hazratbal Srinagar. Jammu & Kashmir.	3,00,000	120000
3	Mr.Javeed Ahmad Sheikh, Assistant Professor Deptt of Electronic And Communication Engineering, Kashmir University Ph.No:-9419090 <i>Sheikhjavid@Uok.edu.in 554</i>	Electronic & Communication Engineering	Design and development of three-dimensional Flexible Antenna Array for Wearable Electromagnetic Head Imaging system for Stroke detection.	University of Kashmir PG Department Hazratbal, Srinagar Jammu & Kashmir	3,30,000	132000
4	Dr.Saba Mushtaq Lecturer Deptt of Information Technology Ph.No:-7006609478 sab.mushtaq@gmail.com	Information Technology	Detection of duplicate medicine using secure QR Code and machine learning approach.	University of Kashmir Hazratbal.Srinagar Jammu & Kashmir	3,90,000	156000
5	Dr.Muheet Ahmad Butt Senior Scientist Deptt of Computer Science Engineering Ph.No:-9419017904 ermuheet@gmail.com	Computer Science Engineering	Designing Cognitive Models for e-Learning using Data Mining	University of Kashmir Srinagar Hazratbal Jammu & Kashmir	3,60,000	144000
6	Dr. Mudasir Mohd Assistant Professor Deptt of computer Science Engineering Ph.No:-7006677698 mudie.mohammad@gmail.com	Computer Science Engineering	Automatic text summarization for Hindi and other regional language of India	University of Kashmir South Campus Anantnag Jammu & Kashmir	3,90,000	156000
7	Dr.Sami Ullah Bhat Sr.Assistant Professor Deptt:- of Environmental Science Ph.No:-9596013427 samiullahbhat11@gmail.com	Environmental Science	"Study of Microplastic in drinking water of Srinagar city: An alarming threat to human health"	University of Kashmir Hazratbal,Srinagar. Jammu & Kashmir	3,10,000	124000
8	Dr.Arshid Jehangir Sr.Assistant Professor Deptt:- of Environmental Science Ph.No:-9596013427 drarshid@gmail.cm	Environmental Science	"Alteration in micro- RNA's expression of Occupational brick kiln workers for Kashmir valley as toxic-genomic response to air pollution"	Department Of Environmental science, University of Kashmir Srinagar	3,10,000	124000

9	Dr.Irfan Rashid Assistant Professor Deptt Of Geoinformatics Ph.No.7006416963 irfangis@kashmiruniversity. ac.in	Geoinformatics	An integrated approach for assessing the impact of light absorbing particles (LAPs) on snow depletion and glacier recession in Kashmir Himalaya using remote sensing field investigation and geochemistry	Kashmir University Hazratbal Srinagar	3,20,000	128000
10	Dr.Tariq Ahmad Associate Professor Deptt Of Zoology Ph.No.7006922405 drtariqento@kashmiruniversity.ac.in	Zoology	Monitoring and management of tephritid fruit flies infesting stone fruits of Kashmir valley	University Of Kashmir Srinagar, Hazratbal Jammu & Kashmir	2,90,000	116000
11	DrAltaf Hussain Mir Assistant Professor (2) Deptt Of Zoology Ph.No.7006058267 draltaf_786@yahoo.com	Zoology	Studies on taxonomic diversity and medical importance of blow flies (Diptera: Calliphoridae) in Kashmir	University Of Kashmir. PG Department Srinagar, Hazratbal Jammu & Kashmir	2,85,000	114000
12	Dr Yahya Bakhtiyar Assistant Professor Deptt Of Zoology Ph.No.9419125503 Yahya.bakhtiyar@gmail.c om	Zoology	“Population and reproductive biology of some forage fishes from Dal Lake, Kashmir”	University Of Kashmir. Srinagar, Hazratbal Jammu & Kashmir	2,75,000	110000
13	Dr.Irfan Rashid Assistant Professor Deptt of Botany Ph.N0:-9419903779 irfanrashid@uok.edu.in	Botany	Impact of alien plantation forestry on ecosystem services in Srinagar city of Kashmir Himalayas.	University of Kashmir Hazratbal,Srinagar Jammu & Kashmir	2,50,000	100000
14	Dr.Gulzar Ahmad Shah Scientist-D/RamanujanFellow Deptt Of Chemistry Ph.No:-6006440334 gulzarbhat@uok.edu.in	Chemistry	A General Strategy for the Preparation of Transition- Metal-incorporated Microporous Network for Energy Applications.	Centre for interdisciplinary Research and Innovation (CIRI). University Of Kashmir. Hazratbal, Srinagar.	3,10,000	124000
15	Dr.SyedWajaht Amin Shah Professor/Head Deptt Of Chemistry Ph.No:-6006440334 doctorwajaht@gmail.com	Chemistry	Green and Sustainable Synthetic of Tacrine-potential Hybrid (Tacripyrazoles) Derivatives, Evaluation of their Potential as selective Inhibitors Of Acetylcholinesterase (AChE) and SAR Studies.	University Of Kashmir. Hazratbal,Srinagar. Jammu & Kashmir.	3,00,000	120000
16	Dr.Mohsin Ahmad Bhat Associate Professor Deptt Of Chemistry Ph.No:-9419033125 mohsin@kashmiruniversity.ac .in	Chemistry	Design and development of Chemically functionalized MOF based Electrode Materials for Point-of care Electrochemical sensing and Estimation Devices for Food Fortificants.	University Of Kashmir. Hazratbal,Srinagar. Jammu & Kashmir	2,60,000	104000
17	Dr.Aijaz Ahmad Dar Assistant Professor Deptt Of Chemistry Ph.No:-9596034885 aijazpapers@gmail.com	Chemistry	Crystal Engineering approach to improve bioavailability via solubility and stability of nutraceuticals	University Of Kashmir Hazratbal, Srinagar	3,00,000	120000
18	Dr.Mukhtar Ahmad Khanday Director/Associate professor Deptt:-Mathematical Science Ph.No.7006427893 khanday@uok.edu.in	Mathematical science	Mathematical and Numerical investigation of cooperativity of enzymes and glucose synthesis in biological tissues	University of Kashmir South Campus Anantnag Jammu & Kashmir	2,75,000	110000
19	Dr.Showkat Ahmad Ganai Assistant Pofessor Deptt of Bio-chemistry Ph.No.9419972678 showkatganaie@kashmirun iversity.ac.in	Bio-chemistry	Inflammatory response in LPS induced rat models & effect of Alcea rosea active extracts & gene expression of IL1B,NFKB1,PPARY,NOS2,COX2 & TNF $\alpha$	University of Kashmir Hazratbal Srinagar Jammu&Kashmir	3,00,000	120000
20	Prof. Bashier Ahmad Ganai Professor Deptt Of Bio-chemistry Ph.No.9797247851 bbcganai@gmail.com	Bio-chemistry	Gut microbiota heterogeneity and its association with obesity and T2DM in Kashmiri population	Centre for interdisciplinary Research and Innovation. (CIRI).University Of Kashmir. Hazratbal, Srinagar.	2,95,000	118000

21	Dr.Shajrul Amin Associate Professor&Head Deptt Of Bio-chemistry Ph.No.9419018174 <a href="mailto:shajrulamin@uok.edu.in">shajrulamin@uok.edu.in</a>	Bio-chemistry	Elucidating the role of Angiopoietin-1/Angiopoietin-2 system in infertility in Polycystic ovarian syndrome women	University of Kashmir Hazratbal Srinagar Jammu&Kashmir School of Biological Science	3,00,000	120000
22	Dr.Ghulam Nabi Bader Assistant Professor Deptt of Pharmaceutical Sciences Ph.No.7006224042 <a href="mailto:gnbader@kashmiruniversity.ac.in">gnbader@kashmiruniversity.ac.in</a>	Pharmaceutical Sciences	Phytochemical investigation and pharmacological evaluation of nano- encapsulated and nano-encapsulated plant extracts of swertia petiolate and oxalisacetosella against nematode parasites.	Kashmir University Hazratbal Srinagar	2,85,000	114000
23	Dr. Rabia Hamid Associate Professor Deptt of Nanotechnology Ph.No.9419548985 <a href="mailto:rabia.hamid@uok.edu.in">rabia.hamid@uok.edu.in</a>	Nanotechnology	Therapeutic analysis and of phytocompound-based nanoformulations by targeting VEGF and TGF beta pathway in diabetic foot ulcers	Kashmir University Hazratbal Srinagar	2,55,000	102000
24	Prof. Mubashir Hussain Masoodi Professor Deptt of Pharmaceutical Sciences Ph.No.7006167705 <a href="mailto:mubashir@kashmiruniversity.ac.in">mubashir@kashmiruniversity.ac.in</a>	Pharmaceutical Sciences	Investigating Betula utilis as reinforcement pharmacotherapy in diabetes mellitus	Kashmir University Hazratbal Srinagar	2,50,000	100000
25	Dr.Nazir Ahmad Dar Associate professor Deptt of Bio-chemistry Ph.No.9906654747 <a href="mailto:nazirramzan@gmail.com">nazirramzan@gmail.com</a>	Bio-chemistry	"Relation of the selected phase-1 xenobiotic metabolizing gene variants with esophageal squamous cell carcinoma patient survival".	University of Kashmir Hazratbal Srinagar. Jammu & Kashmir.	3,00,000	120000
26	Dr. Nisar Ahmad Khan Associate professor Deptt of Pharmaceutical Sciences Ph.No.9419017186 <a href="mailto:nakhan2008@gmail.com">nakhan2008@gmail.com</a>	Pharmaceutical Sciences	Formulation and evaluation of fast Dissolving Oral Nanofibre mats of BCS Class II Drug	Kashmir University Hazratbal Srinagar Jammu & Kashmir	3,00,000	120000
27	Dr. Shafquat Majeed Assistant Professor Deptt of Nanotechnology Ph.No.99061228837 <a href="mailto:smsah@uok.edu.in">smsah@uok.edu.in</a>	Nanotechnology	Microwave-assisted solvothermal synthesis (Mass) of magnetic garnet (MG) nanostructures and their opt magnetic properties	Kashmir University Hazratbal Srinagar	3,00,000	120000
28	Dr.Tariq Maqbool Assistant Professor Deptt of Nanotechnology Ph.No.9086444490 <a href="mailto:tmwani@uok.edu.in">tmwani@uok.edu.in</a>	Nanotechnology	Design & Development of protocol for the biosynthesis of reduced- Graphene oxide (BrGO) using indigenous flora chemical, biological characterizations & multifaceted applications thereof	Kashmir University Hazratbal Srinagar	3,00,000	120000
29	Dr.Sabreera Muzaffar Assistant Professor Deptt of Food Science & Technology Ph.No:-7006383259 <a href="mailto:sabeeraku@gmail.com">sabeeraku@gmail.com</a>	Food Science & Technology	Exploration of wild fruits of Himalayan Kashmir for Development of personalized foods for future food industry	University of Kashmir Hazratbal.Srinagar. Jammu & Kashmir	2,50,000	100000

30	Dr.Rafeeq Ahmad Mir Scientist-D Deptt of Bio-chemistry Ph.No.9419179282 rafeeqmir@uok.edu.in	Bio-chemistry	Deciphering the role of Parkinson's Disease associated VPs35 [D620N] mutation in NF- kb- dependent signaling	Centre for interdisciplinary Research and Innovation. (CIRI).University Of Kashmir. Hazratbal, Srinagar.	2,50,000	100000
31	Dr.Javaid Yousuf Bhat Scientist-D Deptt of Bio-chemistry Ph.No.9149975829 javaidbhat@uok.edu.in	Bio-chemistry	How Rip24 structurally modulates Drg1,a AAA+chaperone involved in ribosome biogenesis?	Centre for interdisciplinary Research and Innovation. (CIRI).University Of Kashmir. Hazratbal, Srinagar.	2,50,000	100000
32	Dr.Tanveer Ali Dar Sr.Assistant Professor Deptt of Bio-chemistry Ph.No.6005092109 tanveerali@kashmiruniversity.ac.in	Bio-chemistry	Proteomic studies ofAshwagandha for identification and characterization of its anticarcinogenic protein(s)/peptide(s):Toward Exploration of novel protein- based drug molecules	University of Kashmir Hazratbal Srinagar Jammu&Kashmir	3,00,000	120000
<b>TOTAL</b>					<b>94,70,000</b>	<b>3788000</b>