



**OFFICE OF RESEARCH, INNOVATION AND
COMMERCIALIZATION,
GOMAL UNIVERSITY, DERA ISMAIL KHAN**



LIST OF APPROVED/COMPLETED RESEARCH PROJECTS TO NATIONAL RESEARCH PROGRAM FOR UNIVERSITIES (NRPU), HEC, ISLAMABAD

S.No	Name of Principal Investigator	Designation	Name of Co-Principal investigator	Title of Project	Department	Total Amount Approved as per Award Letter	Duration of projects	Date of Approval	Status Completion Dated
01	Prof. Dr. Jamil Khan	Asstt Prof	Dr. Qudrat Ullah	Evaluating the effect of inorganic sources of N applied alone or with urease inhibitor and PGRs on N use efficiency and yield attributes of wheat and tomato	Soil Sciences	Rs. 2818523/-	24 Months	20.06.2016	05.01.2021
02	Dr. Muzammil Ahmad Khan	Asstt Prof	Dr. Saad Ullah	"Molecular and Functional Genetic Studies of Rare Ophthalmic Disorders in Pakistani Families	GCBB	Rs. 6425600/-	36 Months	03.04.2017 Start dated January 2018	End March 2022: HEC no Provide Completion Certificate
03	Dr. Nauman Rahim Khan	Asstt Prof	Dr. Shefaat Ullah Khan	Polymer -natural drug Scaffolds for skin tissue regeneration in burn wound	Pharmacy	Rs. 3170044/-	36 Months	02.06.2018	18.11.2022
04	Dr. Barkat Ali Khan	Professor	Adnan Amin	Fabrication and Characterization of Biopolymeric Nonocarrrier (CNP) based formulation for Topical Drug Delivery	Pharmacy	Rs. 3077509/-	30 Months	02.06.2018	21.12.2022
05	Dr. Kifayat Ullah Shah	Asstt Prof	Zahid Rasul Niazi	Novel Particulate carrier designs for Pulmonary Delivery of Anti Tubercular Drugs	Pharmacy	Rs. 6353796/-	36 Months	08.06.2018	23.10.2023
06	Dr. Khalid Usman	Asstt Prof	Dr. Muhammad Safdar Baloch	Optimizing wheat cotton system productivity through resource conserving techniques	Faculty of Agriculture Agronomy	Rs. 2028773/-	24 Months	08.06.2018	22.11.2021

07	Dr. Imran Khan	Asstt Prof	Mian Afaq Ahmad	Green Vaccine Development against Chronic Respiratory Disease (CRD) in Chickens using plants as Bioreactor. An Interdisciplinary Approach towards Edible Vaccine Development for Sustainable Immunization in Pakistan	GCBB	Rs. 2969721/-	35 Months	12.06.2018	Amount Refunded to HEC
08	Dr. Muhammad Akhlaq	Asstt Prof	Muhammad Zeeshan Danish	Travoprost Contact Lenses for Glaucoma Treatment: A Pharmacokinetic Approach	Pharmacy	Rs. 500000/-	36 Months	27.09.2018	2023
09	Dr. Muhammad Badar	Asstt Prof	Dr. Muzammil Ahmad	The Role of Notch and TGF-beta signaling in Endothelial to Mesenchymal Transition and associated Cancer Metastasis	GCBB	5,254,166/-	36 Months	14.03.2019	Final Report submitted
10	Dr. Faiqa Ramzan	Asstt Prof	Dr. Muhammad Badar	Effect of Neurokinin B administration on hypothalamic pituitary gonadal axis and accessory sex glands in prepubertal male rats	GCBB	11.972 M	36 Months	12.07.2019	29.08.2023
11	Dr. Shafi Ullah Khan	Asstt Prof	Abbas Hassan	Synthesis and Structure Design of Polar Groups containing Polyethylene: a capable strategy of Facile, Dynamic Functionalization of Polyethylene	ICS	2,757,274/-	24 Months	20.03.2019	16.11.2022

LIST OF RESEARCH PROJECTS TO NATIONAL RESEARCH PROGRAM FOR UNIVERSITIES (NRPU) 2021, (APPROVED 2022) HEC, ISLAMABAD

S.No	Name of Principal Investigator	Designation	Co-Principal investigator	Title of Project	Department/Faculty	Budget Requested (Million) Approved	Duration Of Project	Date of Project Approved	Status Completion Dated
01	Dr. Kamran Tahir	Asso: Prof:	Dr. Fakhar Ud Din , Asstt: Prof	Photo Assisted antileishmanial activity of g-C ₃ N ₄ -MCM-41 based nanostructure materials	Institute of Chemical Sciences, Gomal University, D.I.Khan	Rs. 3927000	24 Months	23.02.2022	Ongoing
02	Dr. Tufail Nawaz Khan	Lecturer	Irfan Ullah Khan, Asstt: Prof (DPA)	Proactive Personality and Entrepreneurial Intention Among Potential Entrepreneurs: A Mediation Moderation Model	Institute of Business Administration (IBA) Gomal University, D.I.Khan	Rs. 2223900	24 Months	10.03.2022	Ongoing
03	Dr. Asif Nawaz,	Asstt:Prof (TTS)	Dr. Adnan Amin Asstt: Prof Faculty of Pharmacy	Folate Modified Targeted Delivery for Colon Cancer	Pharmaceutics, Faculty of Pharmacy, Gomal University D.I.Khan	Rs. 4893000/-	24 Months	29.03.2022	Ongoing
04	Dr. Allah Noor	Asstt:Prof	Dr. Irfan Ullah Khan Asstt: Professor	Professional Development of teaching staff of affiliated colleges of Gomal University, in Research	Institute of Education & Research (IER) Gomal University DIK	Rs. 6911100	24 Months	18.08.2022	Ongoing

				& Teaching Methodology of BS Programs					
05	Dr. Nisar Muhammad	Asstt.Prof	Prof Dr. M. Jamil khan, Faculty Agriculture Prof Dr. M. Nafees Environmental Sciences University of Peshawar	Study of Synergistic Effects of iron / Zinc oxide (Fe/ZnO) Modified Biochars on immobilization of Toxic Elements in soil and Agronomic improvements – Impact of aging on the synergistic approach	Department of Environmental Sciences, Faculty of Agriculture, Gomal University, D.I.Khan	Rs. 6142500	36 months	11.03.2022	Ongoing

LIST OF Startup Research GRANT PROGRAM (SRGP) Project Approved HEC, ISLAMABAD

S.No	Name of Principal Investigator/Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Duration of Project	Date of Approval	Status Project Completion Date
01	Dr. Asim Shahzad, Assistant Professor, (IPFP)	Dr. Muhammad Kamal Shah	Seroprevalence and molecular investigation of brucellosis in southern Khyber Pakhtunkhwa, Pakistan	Clinical Sciences, Faculty of Veterinary and Animal Sciences	Rs. 489,500/-	6 months	03.05.2018	23.11.2021
02	Dr. Muhammad Kamran, Assistant Professor,	Dr. Shakeeb Ullah	Development of quality rich fodder seed by coating and pelleting	Animal and Poultry Production, Faculty of Veterinary and Animal Sciences	Rs. 484,947/-	6 months	04.06.2018	18.09.2020
03	Dr. Muhammad Kamal Shah, Assistant Professor	Dr. Shakeeb Ullah	Antimycoplasmal activities of three indigenous medical plant against local isolates Mycoplasma mycoides subsp. Capri	-do-	Rs. 475,000/-	6 months	30.07.2018	30.12.2021
04	Dr. Ikram Ul Haq , Assistant Professor	Dr. Muhammad Kamal Shah	Epidemiological Study of Major Bacterial and Parasitic causes of Neonatal Diarrhea in Goat Kids	Clinical Sciences, FVAS	Rs. 455,000/-	6 months	11.09.2018	22.05.2019
05	Dr. Mohib Ullah, Assistant Professor	Prof. Dr. Azim Khan Khattak	Tailoring the structural and morphological properties of Nano diamond reinforced carbon fibers by chemical functionalization and investigation of their mechanical performance in epoxy composites	Institute of Chemical Sciences	Rs. 471,800/-	09 months	11.09.2018	28.01.2020
06	Dr. Anwar Iqbal, Assistant Professor	Prof. Dr. Rubina Naz	Thermodynamics and kinetics of a Psichrophile Frataxin variant: An insight in to the folding mechanism and cross talk between Stability, dynamics and function.	Institute of Chemical Sciences	Rs. 475,000/-	09 months	11.09.2018	In process

07	Dr. Abida Salim, Assistant Professor	Dr. Qudrat Ullah, Assistant Professor	Integrated Effect of Biochar and FYM with commercial fertilizers on nutrients availability in wheat crop under calcareous soil.	Soil & Environmental Sciences, Faculty of Agriculture	Rs. 480,000/-	06 months	11.09.2018	26.08.2020
08	Dr. Sara Sadiq, Assistant Professor	Dr. Sadaf Javeria	Isolation and Characterization of Probiotic from Traditional Fermented products to evaluate its potential use in Food	Food Science & Technology, Faculty of Agriculture	Rs. 487,440/-	12 months	19.09.2018	20.07.2022
09	Dr. Jawad Anwar, Assistant Professor,	Prof. Dr. Ejaz Ahmad	Analysis of Drinking Water of District D.I.Khan Khyber Pakhtunkhwa for Physiochemical Properties and Heavy Metals Contamination	Agriculture Chemistry & Human Nutrition, Faculty of Agriculture	Rs. 465,000/-	08 months	19.10.2018	26.09.2019
10	Dr. Ayesha Riaz, Assistant Professor	Dr. Sadaf Javeria	Development and quality evaluation of functional cookies supplemented with super seeds flour to combat malnutrition in Pakistan	Food Science & Technology, Faculty of Agriculture	Rs. 346,000/-	12 months	02.11.2018	18.09.2020
11	Dr. Abdul Muqsit Khattak, Assistant Professor, (IPFP)	Prof. Dr. Azim Khan	Carbon dioxide adsorption on Synthesized Manganese oxide-Graphene aerogel porous nanocomposite	Institute of Chemical Sciences	Rs. 481,500/-	6 months	12.12.2018	Cancelled fund returned to HEC
12	Dr. Muhammad Zulfiqar Ahmad	Prof. Dr. Shah Jehan Khan	Screening of heat tolerant cotton genotypes through tissue culture and its effect on antioxidant defense system in cotton (Gossypiumhirsutum L)	Plant Breeding & Genetics	Rs. 500,000/-	12 months	03.12.2018	11.02.2020
13	Dr. Atif Adrees	Dr. Jamshaid Iqbal	Identification and nutritional value of major pollen sources for rearing of Apis mellifera in D.I.Khan District	Entomology	Rs. 455,000/-	06 months	23.01.2019	11.09.2020
14	Dr. Naimat Ullah	Dr. Alam Zeb Khan	Prevalence risk factors and therapeutic trials against bovine theileriosis in southern Khyber Pakhtunkhwa Pakistan	Clinical Sciences	Rs. 469,400/-	06 months	23.01.2019	26.04.2021
15	Dr. Muhammad Irfan Waris, Assistant Professor	Dr. Jamshaid Iqbal, Assistant Professor	Impact of Pollen substitute diets on performance of honey bee colonies	Department of Entomology	Rs. 499,400/-	06 months	22.02.2019	12.12.2019
16	Dr. Asif Ameen, Assistant Professor	Dr. Mohammad Safdar Baloch, Associate Professor	Assessment of growth and biomass of sorghum genotypes as feedstock for bioethanol production	Department of Agronomy	Rs. 451,580/-	06 months	22.02.2019	12.12.2019
17	Dr. Zarina Bibi, Assistant Professor	Dr. Qudrat Ullah	Long term intensive cultivation of sugarcane effects on soil physical and chemical properties under CRBC (Chashma Right Bank Canal) command	Institute of Soil & Environmental Sciences, Faculty of Agriculture	Rs. 469,790/-	06 months	22.02.2019	12.10.2020
18	Dr. Sadiqullah Khan, Assistant Professor	Dr. Adnan Amin, Assistant Professor	Assessment of noxious weeds as ecological threat for food security and their allelochemicals characterization	Department of Environmental Sciences, Faculty of Eng & Tech	Rs. 417,160/-	06 months	22.02.2019	24.09.2020
19	Dr. Basir ul Haq, Assistant Professor	Dr. Shakir Ullah,	Functional Characterization of (ABA and SLs) signaling Genes involved in drought resistance from Soybean (Glycine maz)	Department of Plant Genetics & Breeding	Rs. 484,573/-	06 months	05.03.2019	17.05.2021
20	Dr. Adnan Noor Shah, Assistant Professor	Dr. Muhammad Safdar Baloch	Response of Nitrogen and Zinc on Physiological and agronomic traits of wheat under agro ecology of Dera Ismail Khan	Agronomy Department	Rs. 500,000/-	06 months	11-09 -2018	15.03.2021

21	Dr. Hafeez Ullah, Assistant Professor	Dr. Tabassum Nasir	Graphene and metal oxide nanoparticles composite for the purification of water from organic compounds and for production of hydrogen	Physics Department	Rs. 500,000/-	09 months	11.09.2018	11.01.2021
22	Dr. Saeed Ullah, Assistant Professor	Dr. Tabassum Nasir	Fabrication and characterization of Bi(Me) ₀₃ –BaTiO ₃ (Me=(Co _{0.5} Ti _{0.5})(Cu _{0.5} Ti _{0.5})) ceramics used as high temperature capacitors	Physics Department	Rs. 500,000/-	09 months	11.09.2018	22.12.2020
31	Dr. Qudrat Ullah, Assistant Professor	Dr. Alam Zeb Khan	Sero-epidemiology of Chlamydomyxa abortus infection and its association with reproductive disorders in small ruminants at three districts of Khyber Pakhtunkhwa, Pakistan	Clinical Sciences, FVAS	Rs. 500,000/-	06 months	05-06-2020	15.03.2022
35	Dr. Muhammad Shakeel, Assistant Professor	Dr. Muhammad Badar, Assistant Professor	Distribution of Zinc solubilizing bacteria under different zinc content of soil	GCB	Rs. 499,346/-	One year	05.06.2020	16.08.2021
37	Dr. Sheikh Zain Ul Abidin, Assistant Professor	Dr. Abdul Haleem Shah	Evaluation of Phytochemical constituents and in-vitro antioxidant potencies of some high valued medicinal plants from Southwest Pakistan	Biological Sciences	Rs. 500,000/-	09 months	05-06-2020	22.07.2022
38	Dr. Iqbal Ahmad, Assistant Professor	Dr. Rafia Younas	Bioaccessibility of heavy metals in soils from automobile repair workshops in district Dera Ismail Khan, Khyber Pakhtunkhwa, Pakistan	Environmental Sciences	Rs. 500,000/-	06 months	05-06-2020	08.12.2021
39	Dr. Javed Iqbal, Assistant Professor	Dr. Saeed Ullah	Effect of SrTiO ₃ /CaTiO ₃ addition on the Phase, microstructure and microwave dielectric properties of (Mg _{0.95} Co _{0.05})(Ti _{0.85} Sn _{0.15})O ₃ ceramics	Physics	Rs. 484370	09 months	05-06-2020	14.03.2023
40	Dr. Muhammad Ilyas, Assistant Professor	Dr. Hafeez Ullah	Some Features of strange compact stars	Physics (Institute of physics and Electronics) (IPE)	Rs. 255000	6-9 Months	05-06-2020	14.03.2023
41	Dr. Nasr Ullah Khan, Assistant Professor	Mohib Ullah Khan PBG	“Molecular and Morphological characterization of Pakistani Wheat Landraces for Powdery Mildew Resistance”	Department of Plant Breeding & Genetics, Faculty of Agriculture,	1 Million	12 Months	19-10-2020	18.01.2023
42	Dr. Muhammad Tahir Khan, Assistant Professor	Dr. Zahid Rasul Niazi	“Cardioprotective activities of Kaempferol a flavonoid compound”	Faculty of Pharmacy, Gomal University	10,00,000	12 Months	15-01-2021	25.07.2023
43	Dr. Aziz Ullah, Assistant Professor	Dr. Fazal Ur Rehman	“Molecular Docking and Simulation Analysis based Enhancement of anticancer activity and delivery of Polyoxometalates encapsulated polymeric formulations”	Faculty of Pharmacy, Gomal University	10,00,000	12 Months	15-01-2021	25.07.2023
44.	Dr. Yasir Ehtesham Assistant Professor	Dr. Safdar Balooch	Ethnobotanical , biological and phytochemical studies of selected medicinal plants of dera ismail khan	Agronomy faculty of agriculture	Rs. 438000/-		29-06-2019	Pending
45	Ume Habiba A/P	Rafia Younas	Zero-valent iron and biochars-mediated simultaneous alleviation of chromium and cadmium accumulation in wheat grown in co-contaminated soils	Environmental Sciences	Rs. 1000000	12 Months	23.02.2021	21.07.2022