



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



LIST OF RESEARCH PROJECTS SUBMITTED TO NATIONAL RESEARCH PROGRAM FOR UNIVERSITIES (NRPU), HEC, ISLAMABAD

For the Year 1st July 2015 to 30 June 2016

S.No	Name of Principal Investigator	Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Project Date of Submission to HEC
01	Prof. Dr. Jamil Khan	Professor	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 & Environmental Sciences, GUDIK	Rs. 2818523/-	2015

LIST OF RESEARCH PROJECTS SUBMITTED TO NATIONAL RESEARCH PROGRAM FOR UNIVERSITIES (NRPU), HEC, ISLAMABAD

For the Year 1st July 2016 to 30 June 2017

S.No	Name of Principal Investigator	Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Project Date of Submission to HEC
01	Dr. Muzammil Ahmad Khan	Asstt: Prof	Dr. Saad Ullah	"Molecular and Functional Genetic Studies of Rare Ophthalmic Disorders in Pakistani Families	Gomal Center of Bio-Chemistry & Bio-Technology, GUDIK	Rs. 6425600/-	03.04.2017
02	Dr. Barkat Ali Khan	Asstt: Prof	Adnan Amin	Fabrication and Characterization of Biopolymeric Nonocarrrier (CNP) based formulation for Topical Drug Delivery	Faculty of Pharmacy GUDIK	Rs. 3077509/-	16.06.2017

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For the Year 1st July 2017 to 30 June 2018

S.No	Name of Principal Investigator	Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Project Date of Submission to HEC
01	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	Gomal Center of Bio-Chemistry & Bio-Technology, GUDIK	Rs. 2969721/-	2017

02	Dr. Muhammad Akhlaq	Ass: Prof	Muhammad Zeeshan Danish	Travoprost Contact Lenses for Glaucoma Treatment: A Pharmacokinetic Approach	Faculty of Pharmacy GUDIK	Rs. 500000/-	2017
03	Dr. Jamshaid Iqbal	Asstt: Prof	Hussan Ara Begum	Combined role of bio-agents and bio-chemicals for the management of stored insect pest of wheat in closed environment of Southern KPK granaries	Faculty of Agriculture GUDIK	3.89163 m	2017
04	Dr. Qudrat Ullah Khan	Asstt: Prof	Obaid Ullah Sayal	Moisture conservation through tillage and biochar application for stimulating climate sway under spate irrigation	Faculty of Agriculture GUDIK	2.483 m	2017
05	Dr. Imran Khan	Asstt: Prof	Mian Afaq Ahmad	Spatial Diversity Impact of Emerging Biofertilizer "Arbuscular Mycorrhizae" on Tomato Quality	Gomal Center of Bio-Chemistry & Bio-Technology, GUDIK	11.7 M	2017
06	Dr. Muhammad Akhlaq	Asstt: Prof	Gul Shahnaz	Microneedle patch precise for treatment of skin cancer: Melanoma	Faculty of Pharmacy GUDIK	12.5 M	2017
07	Dr. Khalid Usman	Asstt: Prof	Dr. Muhammad Safdar Baloch	Optimizing wheat cotton system productivity through resource conserving techniques	Faculty of Agriculture Agronomy GUDIK	Rs. 2028773/-	16.10.2017
08	Dr. Faiqa Ramzan	Ass: Prof	Dr. Muhammad Badar	Effect of Neurokinin B administration on hypothalamic pituitary gonadal axis and accessory sex glands in prepubertal male rats	Gomal Center of Bio-Chemistry & Bio-Technology, GUDIK	11.972 M	20.10.2017
09	Dr. Nauman Rahim Khan	Asstt: Prof	Dr. Shefaat Ullah Khan	Polymer -natural drug Scaffolds for skin tissue regeneration in burn wound	Faculty of Pharmacy GUDIK	Rs. 3170044/-	March,2018
10	Dr. Kifayat Ullah Shah	Ass: Prof	Zahid Rasul Niazi	Novel Particulate carrier designs for Pulmonary Delivery of Anti Tubercular Drugs	Faculty of Pharmacy GUDIK	Rs. 6353796/-	March,2018
11	Dr. Muhammad Akhlaq	Asstt: Prof	Muhammad Zeeshan Danish	Travoprost Contact Lenses for Glaucoma Treatment: A Pharmacokinetic Approach	Faculty of Pharmacy GUDIK	Rs. 500000/-	2018
12	Dr. Muhammad Badar	Ass: Prof	Dr. Muzammil Ahmad	The Role of Notch and TGF-beta signaling in Endothelial to Mesenchymal Transition and associated Cancer Metastasis	Gomal Center of Bio-Chemistry & Bio-Technology, GUDIK	5,254,166/-	2018
13	Dr. Adnan Amin	Ass: Prof	Dr. Barkat Ali Khan,	Ayurvedic Treatment options in treatment of neglected diseases; an applied approach for treatment of Cutaneous Leishmaniasis and allied bacterial infections	Faculty of Pharmacy GUDIK	7.02 M	2018
14	Dr. Aisha Saddiqua	Ass: Prof		Inhibitory effect of edible coating on the enzymatic browning of fruits and vegetables in contrast to commercial substances	Gomal Center of Bio-Chemistry & Bio-Technology, GUDIK	4.56 M	2018
15	Dr. Sami Ullah Khan	Ass: Prof	Bushra Uzair	Exploring Anti-carcinogenic potential of venoms from Pakistani Snakes as Drug Candidate	Gomal Center of Bio-Chemistry & Bio-Technology, GUDIK	10.816 M	2018

16	Dr. Kamran Tahir	Ass: Prof		Synthesis and Multi-applicative Metal oxides and Nano composites by Novel Green and Chemical Methods: Establishment of New laboratory for applied Chemistry	Institute of Chemical Sciences GUDIK	12.57 M	2018
17	Dr. Dil Faraz Khan	Ass: Prof		In-vitro screening of acetyl cholinesterase and butyl cholinesterase inhibitory activity of crude extracts and isolated pure compounds from medicinal plants in relation to the treatment of Alzheimer's disease	Institute of Chemical Sciences GUDIK		2018
18	Dr. Fazal ur Rehman	Ass: Prof	Dr. Haroon Khan	Discovery of New anti-diabetic therapeutic agents from prosopis farcta	Faculty of Pharmacy GUDIK	11.04 M	2018
19	Dr. Hidayat Ullah Khattak	Ass: Prof	Abdul Naeem	Bioremediation and detoxification of Dyes from industrial effluents by biosorption as an emerging technique	Institute of Chemical Sciences GUDIK	1.481 M	2018
20	Dr. Shafi Ullah Khan	Ass: Prof	Abbas Hassan	Synthesis and Structure Design of Polar Groups containing Polyethylene: a capable strategy of Facile, Dynamic Functionalization of Polyethylene	Institute of Chemical Sciences GUDIK	2,757,274/-	2018

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For the Year 1st July 2018 to 30 June 2019**

S.No	Name of Principal Investigator	Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Project Date of Submission to HEC
01	Dr. Shefaat Ullah Khan	Ass: Prof	Dr. Nauman Rahim Khan	Biodegradable Polymeric Nano-composites for topical Delivery of Chemotherapeutic agents in Basal Cell Carcinoma	Faculty of Pharmacy GUDIK	4.23 M	2019
02	Dr. Haroon Khan	Ass: Prof	Dr. Fazal ur Rehman	Development of Nitric Oxide Innovative Drug Delivery Systems for the Management of Cardiac Disorder	Faculty of Pharmacy GUDIK	8.77 M	2019
03	Dr. Syed BadShah	Ass: Prof	Nawshad Muhammad	Fabrication of Keratin / hydroxyapatite beads for removal of heavy metals from Industrial waste water	Institute of Chemical Sciences GUDIK	2.475 m	2019

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For the Year 1st July 2019 to 30 June 2020

S.No	Name of Principal Investigator	Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Project Date of Submission to HEC
01	Dr. Jabbar Khan,	Asstt/Prof	Noor Muhammad Lecturer, Deptt: of Sport Sciences	Genetic Determinant of Male Human infertility Azoospermic and Oligo Zoospermic patient of KP”	Biological Sciences GUDIK	Rs.3.9458(m)	01.01.2020
02	Dr. Khalid Usman,	Asstt/Prof	Nile	Evaluation Productivity and Economic Feasibility of Quinoa-Mung bean Cropping System With Resource- Conserving Technique’s”	Agronomy, Faculty of Agriculture GUDIK	Rs.4.349087(m)	06.01.2020
03	Dr. Adnan Amin,	Asstt/Prof	Dr. Syed Habib Bukhari Professor, Comsats University Islamabad And Dr. Shahid Rasool Associate Prof, University of Sargodha	Formulation and Application of Novel Nano-Emulsion (Essential Oil Based) Against RED Complex Bacteria (Periodontitis) with Type IX Secretion System”	Pharmacognosy, Faculty of Pharmacy GUDIK	Rs. 1623726	13.01.2020
04	Dr. Asif Nawaz,	Asstt/Prof	Dr. Muhammad Akhlaq, Asstt/Prof Deptt: pharmaceuticals	Folate Modified Chitosan-5-FU Nanoparticles for Colon Cancer Delivery	Pharmaceutics, Faculty of Pharmacy GUDIK	Rs.7.0(m)	14.01.2020
05	Dr. Aisha Siddiqua,	Asstt/Prof	Dr. Muhammad Akhlaq, Asstt: Prof Deptt: pharmaceuticals	Comparison of Efficacy of Silver Oxide Nanoparticles, Tobacco Leaves and Data Cap Alone and in Different Combinations of Full Thickness Surgical Wound in Rabbits	Gomal Center Of Bio-Chemistry & Bio-Technology(GCBB) GUDIK	Rs. 6.94(M)	15.01.2020
06	Engr. Jamal Abdul Nasir	Lecturer	Dr. Ishtiaq Ahmad Lecturer, (EED) (FET)	Development Of Antenna Sensor System For Detection Of Explosive Gases	Faculty Of Engineering & Technology (FET) GUDIK	Rs.5.77(m)	15.01.2020
07	Dr. Muhammad Mohibullah Khan	Asstt/Prof	Dr. Sundas Batool Asstt: Prof, Deptt: (PBG) Faculty of Agriculture	Screening of Chickpea Germplasm For early Maturity and Identification Of Enzyme / Chemical Responsible for Flowering Initiation	Plant Breeding and Genetics, (PBG) Faculty of Agriculture GUDIK	8.7 M	15.01.2020
08	Dr. Sundas Batool	Asstt/Prof	Nile	Fine Tuning Of Enhanced Production Technologies In Berseem Under The Agro-Climatic Conditions Of Dera Ismail Khan	Plant Breeding and Genetics, (PBG) Faculty of Agriculture GUDIK	Rs.7.499(M)	15.01.2020
09	Dr. Dilfaraz Khan	Lecturer	Dr. Barkat Ali Lecturer	Assessment of Compatibility Between Dried Extracts of Medicinal Plant and Pharmaceutical Adjuvants by TG/DTA and to Evaluate the Chemical Composition and Morphology of the Dry Extracts with IR and SEM Analysis	Institute of Chemical Sciences (ICS) GUDIK	Rs. 5323000	15.01.2020

10	Dr. Samiullah Khan	Asstt/Prof	Dr. Samina Ejaz Assistant Professor Islamia University of Bahawalpur	Exploring The Mechanism of Cytotoxicity at Molecular and Cellular Level Produced By Proteins / Peptides From Venoms	Gomal Center Of Biochemistry & Biotechnology,(GCBB) GUDIK	Rs. 11444475	15.01.2020
11	Mr. Haroon Khan	Lecturer	Kamran Tahir Lecturer, Institute of Chemical Sciences	Synthesis and Anticancer Activity of Copper Oxide Based Nanoscale Material A View Towards Nanomedicine	Pharmaceutical Chemistry, Faculty of Pharmacy GUDIK	6.8 M	15.01.2020
12	Dr. Ishtiaq Ahmad	Lecturer	Dr. Zeeshan Keleem Asstt: Professor Comsats Islamabad	Using Artificial Intelligence (AI) Techniques For Unmanned Aircraft Navigation And Collision Avoidance	Faculty of Engineering and Technology (FET) GUDIK	16.912 M	15.01.2020
13	Dr. Kamran Tahir	Lecturer	Dr. Nawshad Muhammad Associate Professor, Comsats Islamabad.	Photoinhibition Of Leishmanial Parasites In The Presence Of Zinc Oxide Activated By Amphotericin B Bound Ag Doped Metal Oxides (ZnO-Ag@MO) Nanofibers: A View Towards Nanomedication	Institute of Chemical Sciences (ICS) GUDIK	Rs. 3633952	15.01.2020
14	Dr. Fazal Rehman,	Asstt/Prof	Dr. Haroon Khan Lecturer, Faculty of Pharmacy And Dr. Adnan Amin Assistant Professor, Faculty Of Pharmacy	Phytochemical Analysis and Biological Activity of Edible Species Allium Ascalonicum	Pharmaceutical Chemistry, Faculty of Pharmacy GUDIK	7.4 M	15.01.2020
15	Dr. Hidayat Ullah	Asstt/Prof	Dr. Abdur Rahim Asstt/Prof, Comsats University Islamabad, Lahore Campus	Ensuring Health & Food Safety: Bioaccumulation and Sustainable Treatment Of Heavy Metals	Institute of Chemical Sciences (ICS) GUDIK	9.91 M	15.01.2020

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For the Year 1st July 2020 to 30 June 2021

S.No	Name of Principal Investigator	Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Project Date of Submission to HEC
01	Dr. Adnan Amin,	Asstt:Prof		Using Computational and in vitro methods for Combination analysis of dietary natural essential oils as novel solution to modulate periodontal disease in diabetic patients	Pharmacognosy, Faculty of Pharmacy, Gomal University, D.I.Khan	Rs.3.83 Million	Online Project submission to HEC website 2021
02	Dr. Asif Nawaz,	Asstt:Prof (TTS)		Folate Modified Targeted Delivery for Colon Cancer	Pharmaceutics, Faculty of Pharmacy GUDIK	Rs.7.8 Million	Online Project submission to HEC website 2021
03	Dr. Qudrat Ullah Khan	Asstt:Prof		Zin – Dynamics in Soil, Its Bio- Fortification Through Management Practices in Selected Wheat Genotypes for Enhancing the Yield and	Soil Sciences GUDIK	Rs.4.630 Million	Online Project submission to HEC website 2021

				Quality Traits			
04	Mr. Haroon Khan	Lecturer		Synthesis And Anticancer Activity Of Copper Oxide Based Nanoscale Material A View Towards Nanomedicine	Pharmaceutical Chemistry, Faculty of Pharmacy GUDIK	Rs.2,547,800	Online Project submission to HEC website 2021
05	Dr. Shefaat Ullah Shah	Lecturer		Novel liposomal designs for targeted pulmonary delivery of ant cancerous agents	Faculty of Pharmacy GUDIK	Rs. 7.2 Million	Online Project submission to HEC website 2021
06	Dr. Hidayat Ullah	Asstt:Prof		Ensuring Health & Food Safety: Conversion of indigenous Agricultural waste into Modified Biochar for Remediation of Heavy Metals	Institute of Chemical Sciences (ICS) GUDIK	Rs, 9.91 Million	Online Project submission to HEC website 2021
07	Dr. Shakir Ullah	Asstt:Prof		Effect of Dietary supplementation of vitamin E plus Selenium on Physiological and Hormonal Profile of Goat Submitted to Heat Stress	Department of Animal & Poultry Production (FVAS) GUDIK	Rs,2.652 Million	Online Project submission to HEC website 2021
08	Dr. Imdad Ullah Khan	Lecturer		Neo-bladder Reconstruction after partial Cystectomy due to Transitional Cell Carcinoma in Dogs	Department of Veterinary Clinical Sciences (FVAS) GUDIK	Rs, 05 Million	Online Project submission to HEC website 2021
09	Dr. Irfan Ullah Khan (L.A)	Asstt:Prof		Entrepreneurial intentions and Organizational Culture The Effective Role of Transformational Leadership In Entrepreneurship Development	Department of Public Administration (DPA) GUDIK	Rs, 5.766,600 (M)	Online Project submission to HEC website 2021
12	Prof. Dr. Muhammad Niamat Ullah Babar	Professor, ISS		Establishment of Integrated Milk Marketing Unit (IMMU) through 6P's and 6C's in District Dera Ismail Khan, Khyber Pakhtunkhwa, Pakistan.	Incharge Dean Faculty of Arts and Social Sciences, Gomal University, Dera Ismail Khan	Rs. 6084636/-	Online Project submission to HEC website 2021
13	Prof. Dr. Zahid Awan	Professor		Role of women entrepreneurs in improving Socio-Economic Conditions of District Dera Ismail Khan	Director (IBA) Dena of Law and Administrative Sciences GUDIK	Rs. 6218574/-	Online Project submission to HEC website 2021
14	Dr. Asma Saeed	Associate Professor	Dr. Naimatullah, Dr. Sheikh Zain Ul Abidin, Dr. Huma Qureshi, Dr. Hafiza Farhat	Photochemistry Pharmacology and Industrial Significance of Ferula Oopoda (Boiss. & Buhse) Boiss Harvested from Hazaraganji Chiltan National Park, Blochistan	Director Institute of Biological Sciences, Gomal University, D.I.Khan	Rs12 Million	Online Project submission to HEC website 2021
15	Dr. Kamran Tahir	Lecturer		Photo Assisted antileishmanial activity of g-C3N4-MCM-41 based nanostructure materials	Institute of Chemical Sciences, Gomal University, D.I.Khan	Rs. 4.25 Million	Online Project submission to HEC website 2021
16	Dr. Malik Amer Atta	Asstt:Prof		Professional Elementary Teacher Training Skills (PETTS) Development of Online Classes in Newly Merged District (NMD) of Khyber Pakhtunkhwa due to COVID-19	(Institute of Education & Research) Gomal University, D.I.Khan	Rs. 7,613,162	Online Project submission to HEC website 2021

17	Dr. Dilfaraz Khan	Lecturer	Dr. Abbas Hassan, Associate prof, Quaid-i-Azam University Islamabad	Chemical Modification of the Natural Sorbents Materials for Crude Oil Sorption and Their Kinetic and Thermodynamic Study	Institute of Chemical Sciences (ICS) Gomal University, D.I.Khan		Online Project submission to HEC website 2021
18	Dr. Alam Zeb Khan	Asstt:Prof	-	Effective Treatment of Bovine Mastitis with Intramammary Infusion of Extract	(Faculty of Veterinary & Animal Sciences) Gomal University, D.I.Khan	Rs. 8.7 Million	Online Project submission to HEC website 2021
19	Dr. Muhammad Adeel	Asstt:Prof	-	Synthesis of Novel Arylated Pyridines, Quinazoline, Pyrimidines and Isoquinolines with Potent Therapeutic Potential Against Bacterial (MDR-TB) and Viral (Covid-19) Human Respiratory Pandemics	Institute of Chemical Sciences (ICS) Gomal University D.I.Khan	12.000 M	Online Project submission to HEC website 2021
20	Dr. Ihteram Ullah	Lecturer		Unlocking the Potential of Pakistani Wheat Landraces Against Yellow Rust and Terminal Heat Stress Using Molecular and Genetic Approaches	Department of Plant Breeding & Genetics (PBG) Faculty of Agriculture GU. D.I.Khan	Rs 14.737 Million	Online Project submission to HEC website 2021
21	Dr. Tufail Nawaz Khan	Lecturer		Proactive Personality and Entrepreneurial Intention Among Potential Entrepreneurs: A Mediation Moderation Model	Institute of Business Administration (IBA) Gomal University, D.I.Khan	Rs. 6.239,627 (M)	Online Project submission to HEC website 2021
22	Dr. Rafia Younas	Asstt:Prof		Recycling of Agro-waste as Bio-Compost and its Effects on Plant Growth Regulators (PGRs) A Sustainable Waste Management Strategy for Farming Communities	Department of Environmental Sciences, Faculty of Agriculture, Gomal University, D.I.Khan	02 Million	Online Project submission to HEC website 2021
23	Dr Muhammad Mohibullah khan	Asstt:Prof	Dr. Nasr Ullah Khan (Co-PI) (PBG) GU Dr. Muhammad Aslam (PBG) University of Agriculture Faisalabad	Identification and Molecular Characterization of Cis- Regulatory Elements Modulating Alpha Zein Genes in Maize (Zea Mays)	HOD / Department Plant Breeding & Genetics (PBG) Gomal University, D.I.Khan	Rs.10.075 Million	Online Project submission to HEC website 2021
26	Dr. Nisar Muhammad	Asstt:Prof	---	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, F. of Agri, Gomal University, D.I.Khan	6.14 million	Online Project submission to HEC website 2021
27	Dr. Fazal ur Rehman	Asstt:Prof		DFT Analysis and anti-diabetic Activity of Potent Prosopis farcta	Faculty of Pharmacy, Gomal University, D.I.Khan	Rs. 4.587 Million	Online Project submission to HEC website 2021
28	Dr. Qudrat Ullah	Asstt:Prof	Dr.Shakeeb Ullah	Molecular epidemiology of Q fever using multiple copy 1s1111 insertion sequence and its association with reproductive disorders in small	Faculty Of Veterinary and Animal Sciences, Gomal University,	Rs. 4.4095 Million	Online Project submission to HEC website 2021

				ruminants of Khyber Pakhtunkhwa Pakistan	D.I.Khan		
29	Dr.Ishtiaq Ahmad	Lecturer		Artificial intelligence based safety management for Autonomous Vehicles in 5G-NR Network	Faculty of Engineering & Technology (FET Gomal University, D.I.Khan	Rs. 9.74 Million	Online Project submission to HEC website 2021
30	Dr. Muhammad Kamal Shah	Asstt:Prof		Mycoplasmosis: A Potential Threat to Small Ruminant Population its Molecular and Transboundary Investigation in the Study area	Chairperson/ Deptt: of Clinical Sciences (FVAS) Gomal University, D.I.Khan	Rs. 7.2 Million	Online Project submission to HEC website 2021
31	Dr. Allah Noor	Asstt:Prof	(Co-PI) Dr. Irfan Ullah Khan Asstt: Professor	Professional Development of teaching staff of affiliated colleges of Gomal University, in Research & Teaching Methodology of BS Programs	Institute of Education & Research (IER) Gomal University, D.I.Khan	Approved Grant 2776200/-	Online Project submission to HEC website 2021

**LIST OF Startup Research Project Submitted to HEC, ISLAMABAD
For the Year 1st July 2017 to 30th June 2018**

S.No	Name of Principal Investigator/Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Duration of Project	Project Date of Submission to HEC
01	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 Gomal University, D.I.Khan	Rs. 481,500/-	6 months	10.11.2017
02	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, Gomal University, D.I.Khan	Rs. 489,500/-	6 months	02.03.2018
	Dr. Muhammad Kamal Shah, Assistant Professor	Dr. Shakeeb Ullah	Antimycoplasmal activities of three indigenous medical plant against local isolates Mycoplasma mycoides subsp. Capri	Animal and Poultry Production, Faculty of Veterinary and Animal Sciences, Gomal University, D.I.Khan	Rs. 475,000/-	6 months	14.03.2018
03	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	09.05.2018
	Dr. Naimat Ullah, Assistant Professor	Dr. Muhammad Safdar Baloch	Evaluation of morpho-physiological, biochemical and metabolic response mechanisms for modern bread wheat cultivars contrasting in tolerance strategies to drought.	Agronomy / Botany, Faculty of Agriculture Gomal University, D.I.Khan	Rs. 569,000/-	6 months	09.05.2018

	Dr. Rafia Younas, Assistant Professor	Dr. Mumtaz Khan	Co-composing of Sugarcane Bagasse and its Effects on Plant Growth Regulators (PGRs) in Cauliflower	Environmental Sciences Gomal University, D.I.Khan	Rs. 500,000/-	6 months	15.05.2018
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 Gomal University, D.I.Khan	Rs. 455,000/-	6 months	11.06.2018
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, Gomal University, D.I.Khan	Rs. 471,800/-	09 months	11.06.2018

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01	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 Gomal University, D.I.Khan	Rs. 500,000/-	06 months	10.07.2018
02	Dr. Saeed Ullah, Assistant Professor	Dr. Tabassum Nasir	Fabrication and characterization of Bi(Me)03 – BaTiO3 (Me=(Co0.5Ti0.5)(Cu0.5Ti0.5) ceramics used as high temperature capacitors	Physics Department Gomal University, D.I.Khan	Rs. 500,000/-	09 months	17.07.2018
03	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 Gomal University, D.I.Khan	Rs. 500,000/-	09 months	18.07.2018
04	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 , Gomal University, D.I.Khan	Rs. 487,440/-	12 months	27.07.2018
05	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, Gomal University, D.I.Khan	Rs. 346,000/-	12 months	27.07.2018
06	Dr. Anwar Iqbal, Assistant Professor	Prof. Dr. Rubina Naz	Thermodynamics and kinetics of a Psicrophile Frataxin variant: An insight in to the folding mechanism and cross talk between Stability, dynamics and function.	Institute of Chemical Sciences, Gomal University, D.I.Khan	Rs. 475,000/-	09 months	10.08.2018
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, Gomal University, D.I.Khan	Rs. 480, 000/-	06 months	10.08.2018

08	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, Gomal University, D.I.Khan	Rs. 465,000/-	08 months	26.09.2018
09	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 (<i>Gossypiumhirsutum</i> L)	Plant Breeding & Genetics Gomal University, D.I.Khan	Rs. 500,000/-	12 months	23.10.2018
10	Dr. Atif Adrees	Dr. Jamshaid Iqbal	Identification and nutritional value of major pollen sources for rearing of <i>Apis mellifera</i> in D.I.Khan District	Entomology Gomal University, D.I.Khan	Rs. 455,000/-	06 months	23.10.2018
11	Dr. Imdad Ullah	Dr. Alam Zeb Khan	Neo-bladder reconstruction after partial cystectomy due to transitional cell carcinoma in dogs	Clinical Sciences Gomal University, D.I.Khan	Rs. 498,301/-	06 months	23.10.2018
12	Dr. Shah Irum Niaz, Lecturer	Prof. Dr. Saeed Ahmad	Isolation of Secondary Metabolites from <i>Pongamia pinatta</i> (Sukh chaen) and their bioactivities	Institute of Chemical Sciences, Gomal University, D.I.Khan	Rs. 499,950/-	One year	07.11.2018
13	Dr. Alam Zeb Khan, Assistant Professor	Dr. Imdad Ullah Khan	Nil	Clinical Sciences Gomal University, D.I.Khan	Rs. 499,800/-	06 months	07.11.2018
14	Dr. Muhammad Yousaf Ali Khan, Assistant Professor	Dr. Sheeraz Ahmad, Associate Professor	Detection of Explosive Gases using Antenna Sensors system	Electrical Engineering Gomal University, D.I.Khan	Rs. 499,500/-	04 months	07.11.2018
15	Dr. Naimat Ullah	Dr. Alam Zeb Khan	Prevalence risk factors and therapeutic trials against bovine theileriosis in southern Khyber Pakhtunkhwa Pakistan	Clinical Sciences Gomal University, D.I.Khan	Rs. 469,400/-	06 months	16.11.2018
16	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 Gomal University, D.I.Khan	Rs. 469,790/-	06 months	23.01.2019
17	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, Gomal University, D.I.Khan	Rs. 499,400/-	06 months	28.01.2019
18	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 Gomal University, D.I.Khan	Rs. 451,580/-	06 months	28.01.2019
19	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 Gomal University, D.I.Khan	Rs. 417,160/-	06 months	28.01.2019
20	Dr. Basir ul Haq, Assistant Professor	Dr. Shakir Ullah,	Functional Characterization of (ABA and SLs) signaling Genes involved in drought resistance from Soybean (<i>Glycine maz</i>)	Department of Plant Genetics & Breeding Gomal University, D.I.Khan	Rs. 484,573/-	06 months	12.02.2019

21	Dr. Ismat Ullah Khan	Dr. Shafi Ullah Khan	Synthesis and characterization of new cyclopentane derivatives and study of their activities as inhibitors of steroid metalizing enzymes AKRICI and AKRIC3	Institute of Chemical Sciences, Gomal University, D.I.Khan	Rs. 498,480/-	06 months	14.05.2019
22	Dr. Qudrat Ullah, Assistant Professor	Dr. Alam Zeb Khan	Sero-epidemiology of Chlamydomydia abortus infection and its association with reproductive disorders in small ruminants at three districts of Khyber Pakhtunkhwa, Pakistan	Clinical Sciences, FVAS Gomal University, D.I.Khan	Rs. 500,000/-	06 months	18.06.2019
23	Dr. Komal Anjum, Assistant Professor	Dr. Shakeeb Ullah	Isolation of microorganisms from Indus River and nearby soil sample (D.I.Khan) and bioactive screening of microbial secondary metabolites	Microbiology, FVAS Gomal University, D.I.Khan	Rs. 495,150/-	06 months	23.06.2019

**LIST OF Startup Research Project Submitted to HEC, ISLAMABAD
For the Year 1st July 2019 to 30th June 2020**

S.No	Name of Principal Investigator/Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Duration of Project	Project Date of Submission to HEC
01	Dr. Shakir Ullah, Assistant Professor	Dr. Imdad Ullah Khan	Effect of dietary supplementation of vitamin E plus Selenium on physiological and hormonal profile of goat submitted to heat stress.	Faculty of Veterinary & Animal Sciences, Gomal University, D.I.Khan	Rs. 497,750/-	06 months	17.12.2019
02	Dr. Rahman Ullah, Assistant Professor	Dr. Shakir Ullah, Assistant Professor	Antioxidant Potential, Physico-Chemical Analysis and Storage Stability of Camel Milk	Animal & Poultry Production, FVAS, Gomal University, D.I.Khan	Rs. 500,000/-	12 months	04.07.2019
03	Dr. Qasim Ali, Assistant Professor	Dr. Shakeeb Ullah, Assistant Professor	Novel Genetic approaches to improve understanding of the population genetics of Theileria Annulata in Cattle and Buffalo.	Pathobiology (FVAS), Gomal University, D.I.Khan	Rs. 500,000/-	09 months	04.07.2019
04	Dr. Muhammad Shakeel, Assistant Professor	Dr. Muhammad Badar, Assistant Professor	Distribution of Zinc solubilizing bacteria under different zinc content of soil	GCEB, Gomal University, D.I.Khan	Rs. 499,346/-	One year	05.07.2019
05	Dr. Arif Ullah, Assistant Professor	Dr. Sami Ullah Khan,	Finite Element Analysis of Nanofluids Flow in a cavity	Institute of Numerical Sciences, Gomal University, D.I.Khan	Rs. 499,516/-	06 months	10.07.2019
06	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 Gomal University, D.I.Khan	Rs. 500,000/-	09 months	24.07.2019
07	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 Gomal University, D.I.Khan	Rs. 500,000/-	06 months	20.08.2019
08	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 Gomal University, D.I.Khan	Rs. 484370	09 months	05.09.2019
09	Dr. Muhammad Ilyas, Assistant Professor	Dr. Hafeez Ullah	Some Features of strange compact stars	Physics (Institute of physics and Electronics) (IPE), Gomal University, D.I.Khan	Rs. 255000	6-9 Months	07.01.2020

**LIST OF Startup Research Project Submitted to HEC, ISLAMABAD
For the Year 1st July 2020 to 30th June 2021**

S.No	Name of Principal Investigator/Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Duration of Project	Project Date of Submission to HEC
01	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, Gomal University, D.I.Khan	1 Million	12 Months	19.10.2020
02	Dr. Muhammad Tahir Khan, Assistant Professor	Dr. Zahid Rasul Niazi	“Cardioprotective activities of Kaemferol a flavonoid compound”	Faculty of Pharmacy, Gomal University, D.I.Khan	10,00,000	12 Months	03.11.2020
03	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, D.I.Khan	10,00,000	12 Months	03.11.2020

LIST OF Submitted to Project Pak Turk Research Mobility Grant Program HEC, ISLAMABAD

For the Year 1st July 2019 to 30th June 2020

S.No	Name of Principal Investigator	Co-Principal investigator Turkey Side	Title of Project	Department/Faculty	Budget Requested (Million)	Date of Approval	Project Date of Submission
01	Dr. Muhammad Akhlaq	Dr. Erkan KILINC	Design, Evaluation and Formulation of phenobarbital Nano-micelles: A specific Treatment toll for epilepsy	Faculty of Pharmacy Gomal University, D.I.Khan	1190000	In Process	14.11.2019

LIST OF SUBMITTED LOCAL CHALLENGE FUND PROJECTS (R&D), HEC, ISLAMABAD

For the Year 1st July 2020 to 30th June 2021

S.No	Name of Principal Investigator	Designation	Co-Principal investigator	Title of Project	Department/Faculty	Budget Requested (Million)	Duration Of Project	Project Date of Submission
01	Dr. Jabbar Khan	Asstt: Prof	Sami Siraj	LCF: Relationship Between Heat Shot Proteins and environmental stress conditions, its impact on long life	Biological Sciences Gomal University, D.I.Khan	4.5 M	24 Months	20.08.2020
02	Dr. Liaquat Hussain,	Asstt:Prof	Nil	Building the research capacity (SPSS & Nvivo packages) of teacher and students of HEI s in southern areas of Khyber Pakhtunkhwa	IER Gomal University, D.I.Khan	4 (Million)	24 Months	26.08.2020

LIST OF Submitted Project Rapid Technology Transfer Grant (RTTG) HEC, ISLAMABAD

For the Year 1st July 2022 to 30th June 2023

S.No	Name of Principal Investigator	Designation	Co-Principal investigator	Title of Project	Department/Faculty	Budget Requested (Million)	Duration Of Project	Project Date of Submission to HEC
01	Dr. Fayaz Ali	Assistant Professor	Dr. Javed Ali Khas A/P Abdul wali kahn Uni Mardan	Development of Antibiotics Loaded nanofibers mats based on Chitosan/Polyvinyl Alcohol Composite for Wound Dressing”	Department of Chemistry, Sub Campus Tank Gomal University, D.I.Khan	10. (M)	6 Months	14.06.2023
02	Dr. Muhammad khalid Khan	Assistant Professor	Dr. Barkat Ali Khan, Associate Professor	Synthesis of Biocompatible Nanocarrier System for Targeted Delivery of Peptide Antibiotic (Colistin A) Against MDR bacteria	Faculty of Pharmacy Gomal University, D.I.Khan	1.5 (M)	12 Months	08.06.2023

LIST OF TECHNICAL DEVELOPMENT FUND PROJECTS (TDF) HEC, ISLAMABAD
For the Year 1st July 2022 to 30th June 2023

S.No	Name of Principal Investigator	Designation	Co-Principal investigator	Title of Project	Department/Faculty	Budget Requested (Million)	Duration Of Project	Project Date of Submission to HEC
01	Dr. Adnan Amin,	Associate Prof	Dr. Manzoor Ahmad Associate professor, University of Malakand	“leish nat-z, a painless, non-invasive application for treatment of cutaneous leishmaniasis (cl) process development and industrial scale up”	Gomal Center Pharmaceutical Sciences Faculty of Pharmacy, Gomal University, D.I.Khan	.01 Billion	24 Months	27.12.2022
02	Dr. Nisar Muhammad	Assistant Prof	Dr. Asfar Khan Asstt: Professor Uni of Peshawar / Prof. Dr. Muhammad Nafees University of Peshawar	Study of synergistic effects of iron / zinc oxide (Fe/ZnO) modified biochars on immobilization of toxic elements in water and its role in mitigation of human health risks	Environmental Sciences Faculty of Agriculture Gomal University, D.I.Khan	13.56 (M)	18 Months	29.12.2022
03	Dr. Barkat Ali Khan	Associate Prof	Dr. Bushra Uzair, Associate professor, IBS IIU Islamabad,	Development & commercialization of novel antibiotic from selected halophytes as a dermatological agent in nanoemulgel pharmaceutical dosage form	Faculty of Pharmacy Gomal University, D.I.Khan	10,539,000.00	24 Months	25.01.2023