



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



LIST OF PROJECTS SUBMITTED TO PAKISTAN AGRICULTURAL RESEARCH COUNCIL (ALP), Non HEC ISLAMABAD  
For the Year 1<sup>st</sup> July 2019 to 30<sup>th</sup> June 2020

S.No	Name of (PI)	Designation	Co-Principal investigator	Title of Project	Department/Faculty	Budget Requested (Million)	Duration Of Project	Project Date of Submission
01	Dr. Qudrat Ullah Khan	Asstt: Prof	NIL	Effect of Crop Residues and Local Biochar on Improving Water Retention Capacity Soil Properties and Performance of Organic Wheat under Spate Irrigation (NR233)	Department of Soil Sciences Faculty of Agriculture	10.421 M	36 Months	18.11.2019

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For the Year 1<sup>st</sup> July 2022 to 30<sup>th</sup> June 2023

S.No	Name of (PI)	Designation	Co-Principal investigator	Title of Project	Department/Faculty	Budget Requested (Million)	Duration Of Project	Project Date of Submission
02	Dr. Abdul Aziz Khakwani	Asstt: Prof	(C. PI) Dr. Muhammad Amjad Nadim, Asstt: Prof, Deptt: of Agronomy Faculty of Agriculture, <b>Other Local Team Member</b> Dr. Iqtidar Hussain Dr. Ghazanfarullah Dr. Umar Khitab Saddozai	Innovative Management Techniques for Increasing Grain Yield of Late Planted Spring Wheat.	Department of Agronomy Faculty of Agriculture	10.568 (M)	36 Months	15.08.2022
03	Dr. Iqtidar Hussain	Asstt: Prof	(C. PI) Dr. Abdul Aziz Khakwani, Asstt Prof, Agronomy F. Agri <b>Other team Member</b> M. Jawad Nazie Ehtesham Ul Haq	“Quantitative And Qualitative Assessments Of Canola Yield Through Nutrient Management In Climate Change Scenario at Agroecological Conditions Of D.I.Khan, KPK”	Department of Agronomy Faculty of Agriculture	4.1(M)	36 Months	06.06.2023
04	Dr. Ihteram Ullah	Asstt: Prof	(C. PI) Dr. Qasim Ali, Associate Prof Deptt: of Microbiology, KUST, Kohat <b>Other Local Team Member</b> Dr. Xia Li, Prof, Huazhong Agri University Wuhan Dr. Haris Khurshid , Scientific Officer , Dr. Nasr Ullah Khan Asstt: Prof, Deptt: PBG GU Dr. Said Salman Asstt: Prof , Deptt: PBG Gu	Introduction and Development of Climate resilient soybean (Glycine Max L.) varieties for semi-arid agro climatic conditions of Khyber Pakhtunkhwa and Punjab”	Department of PBG Faculty of Agriculture	9.832(M0)	36 Months	08.06.2023

05	Dr. Muhammad Munir	Asstt: Prof	(C. PI) Dr. Malik M. Hashim Associate Prof IFS&N <b>Other Local Team Member</b> Dr. Ahmad K. Baloch Prof (Retd) IFS&N GU Prof. Farzana Ahmad, Konkuk University, Seoul, KOREA	“Evaluation of Nutritional Quality and the Impact of Glass Transition on Storage of Brown Sugar (Gur) at 40 C”	Institute of Food Science & Nutrition (IFS&N) Gomal University	8.60 (M)	36 Months	08.06.2023
06	Dr. Faiqa Ramzan	Asstt: Prof	Dr. M. jamil Scientific officer D.I. Khan <b>Other Local Team Member</b> Dr. Haris Associate prof KMU Kohat	Effect of variable doses of Neurokinin B on Hypothalamic pituitary gonadal axis in prepubertal sheep	FVAS	10. (M)	36 Months	08.06.2023
07	Dr. Obaid Ullah Sayal	Asstt:Prof	Qudrat Ullah Khan , Associate Professor, Soil Sciences, GU	Conversion of Wheat Landraces to Climate Resilient organic Variety through Genetic and Genomic tools under the spate irrigated area of D.I.Khan	PBG F. of Agri Gu	4.7 (M)	36 Months	06.06.2023
08	Dr. Qudrat Ullah Khan	Associate Professor	Dr. Obaid Ullah Sayal, Deptt: of PBG	Spatial and temporal variability of soil under long term sugarcane cropping, mitigating soil degradation under sugarcane cropping through sustainable management practices.	Department of Soil Sciences Agri GU	8.941 (M)	36 Months	06.06.2023

**List of Foreign Individual Collaboration Project Ministry of Education King Abdul Aziz University Kingdom  
Saudi Arabia international Joint Research Non- HEC  
For the Year 1<sup>st</sup> July 2019 to 30<sup>th</sup> June 2020**

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. Barkat Ali Khan	Associate Professor	Dr. Khaled Hosny	Formulation and characterization of drug delivery systems loaded with nanostructures	Pharmacy	34000 Saudi Rial	24 Months	April, 2020

**List of Project (HED) Higher Education Research Endowment Fund, Non- HEC Peshawar  
For the Year 1<sup>st</sup> July 2019 to 30<sup>th</sup> June 2020**

S.No	Name of Principal Investigator	Designation	Co-Principal investigator	Title of Project	Department/F aculty	Budget Requested (Million)	Project Date of Submission
01	Dr. Kamran Tahir	Lecturer	Nil	Photo inhibition of leishmanial parasites in the presence of noble metals doped zno-cuo nanoscale materials: an innovative strategy	ICS	2.43 (M)	22.08.2019
02	Dr. Muzammil Ahmad khan A/P GCBB	Asstt: Prof	Dr.Muhammad Badar A/P (GCBB)	The Molecular Characterization of Genes Involved in Appendicitis	GCBB	2.955 Million	23.08.2019
03	Dr. Adnan Amin A/P Faculty of Pharmacy	Asstt: Prof		Preparation and analysis of dietary flavonoid based oral gel for suppression of Quorum sensing and Biofilms by periodontal bacteria from diabetic patients	Faculty of pharmacy	2.33 (M)	23.08.2019
04	Dr. Shakeeb Ullah A/P (FVAS)	Professor	Dr. Qudrat Ullah A/P Deptt: Clinical Sciences	Serolo-Epidemiological investigation on Q fever and its Association with Reproductive Disorders in large ruminants of Khyber Pakhtunkhwa, Pakistan	FVAS	2.489 Million	23.08.2019
05	Dr. Asif Nawaz A/P (TTS) Pharmacy	Asstt: Prof	Dr. Muhammad Akhlaq A/P Pharmacy	Design of chitosan-insulin nanoparticles coated with pectin-alginate for diabetes mellitus (2019)	Faculty of pharmacy	2.1 Million	23.08.2019
06	Dr. Muhammad Akhlaq A/P Pharmacy	Asstt: Prof	Dr. Muhammad Akhlaq A/P Pharmacy	Methotrexate Loaded Micelles: A Unique Tool Specific For The Treatment of Gastric Cancer	Faculty of Pharmacy	2.143223 (M)	23.08.2019
07	Dr. Barkat Ali Khan, Lecturer Faculty of pharmacy	Professor	Dr Barkat Ali Khan	ESSENTIAL OIL FOR THE TREATMENT OF CUTANEOUS LIESHMANIA INFECTIONS	Faculty of Pharmacy	2.2 (M)	23.08.2019
08	Dr. Jabbar Khan, A/P Biological Sciences	Professor		Relationship between Heat Shock Protein and Environmental Stress Condition, its impacts on long life	Biological Sciences	2.0 (M)	01.01.2020

**List of Project (HED) Higher  
Education Research Endowment Fund, Non -HEC Peshawar  
For the Year 1<sup>st</sup> July 2023 to 30<sup>th</sup> June 2024**

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. Niamat Ullah	Asstt Prof	Dr. Jabbar Khan, Prof, Gomal University IBS	Establishment of a Seed Library and Seed Farm for Biodiversity Conservation, Seeds of Sustainability and Community Support in Gomal University D.I. Khan	Biological Sciences (IBS)	2.5 (M)	24 Months	21.11.2023
02	Dr. Fayaz Ali	Asstt Prof	Dr. Javed Ali Khan, Abdul Wali Khan University Mardan	Polysaccharide Composite Material Synthesis for Wastewater Treatment, Water Splitting as Well as Antimicrobial and Anticancer Activity	Chemistry Sub Campus Tank Gomal University	2.49 (M)	48 Months	23.11.2023
03	Dr. Iqbal Ahmad	Asstt Prof	Dr. Nisar Muhammad , Environmental Sciences GU	Effects Of Farmyard Manure And Biochar Amendments On The Bioaccessibility And Immobilization Of Toxic Heavy Metals In Agricultural Soils	Environmental Sciences Faculty of Agri	2.5288 (M)	12 Months	23.11.2023
04	Dr. Muzammil Ahmad khan	Asstt: Prof	Jabbar Khan, prof IBS GU	Exploring the genetic spectrum of metabolic disorders in Khyber Pakhtunkhwa origin Pakistan Families; Cure through Care	GCBB	2.5 (M)	24 Months	23.11.2023
05	Dr. Allah Noor	Asstt Prof	Dr. Zafar Khan, Asstt: Prof IER	Research Study On Professional Grooming Of College Teachers Of Khyber Pakhtunkhwa In Light Of The Need For The Bs Programs	IER Gomal University	Rs. 3,778,340/-	12 Months	23.11.2023
06	Dr. Adnan Amin	Associate Prof	Dr. Momin Khan, Khyber Medical University, Peshawar	Analysis And Application Of Novel Polyphenolic Supplement Against Qs (Quorum Sensing) And Oral Biofilms	Pharmacognosy Faculty of pharmacy	1.8 (M)	24 Months	24.11.2023
07	Dr. Niamat Ullah	Asstt prof	Dr. Adnan Amin, Faculty of Pharmacy GU	Hybrid Nano-Platform Strategy And Its Application In Mixed Oral Infections	Pharmaceutics Faculty of pharmacy	2 (M)	24 Months	24.11.2023
08	Dr. Muhammad Ali	Asstt Prof	Dr. Adnan Amin, Faculty of Pharmacy GU	Development And Evaluation Of Statin Loaded Nanoemulgel For Open Incision Wound Healing In Animals: A Novel Approach In Anti-Infective Therapy	Pharmaceutics Faculty of pharmacy	2 (M)	24 Months	24.11.2023
09	Dr. Saad Salman	Asstt Prof	Dr. Hussain Badshah, Govt. College Haripur	Introducing High Processing Techniques To The Declining Chilgoza Nuts In South Waziristan	PBG Faculty of Agriculture GU	2.5 (M)	12 Months	24.11.2023
10	Dr. Nasir Saleem	Asstt Prof	Dr. Muhammad Irfan Khattak, UET Peshawar	AI-Enabled Cochlear Implant For Profoundly Deaf People To Hear Better	FET	2.247 (M)	12 Months	01.12.2023
11	Engr. Dr. Ehtasham Mustafa	Lecturer	Dr. Aamir Nawaz FET GU	Design, Development And Implementation Of Novel Electrode System For Cable Diagnostics In Nuclear Power Plants And Photovoltaic Systems	FET	2.088450 (M)	24 Months	01.12.2023
12	Dr. Aamir Nawaz	Lecturer	Dr. Ehtasham Mustafa FET GU	Hybrid Ac-Dc Grids With Coordinated Regional And National Level Automatic Generation Control With High Penetration Of Renewable Energy In Pakistan	FET	2.382 (M)	18 Months	01.12.2023

13	Dr. Barkat Ali Khan,	Associate Prof /Dean Faculty of Pharmacy	Dr Barkat Ali Khan	CHLOROQUIN-GENISTEIN CO-LOADED CUBOSOMES FORMULATION: A NEW PARADIBM IN DRUG REPURPOSING FOR THE TREATMENT OF CUTANEOUS LEISHMANIASIS (CL)	Pharmaceutics, Faculty of Pharmacy	1.986 (M)	18 Months	1.1. 2024
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**List of Project Submitted to Islamic Development Bank (IsDB-TWAS) Research Grant Italy, Joint Research Non HEC  
For the Year 1<sup>st</sup> July 2022 to 30<sup>th</sup> 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
01	Dr. Barkat Ali Khan,	Associate Professor	Mercy Gladys	Therapeutic evaluation of oral dosage form loaded with 3 medicinal plants used for prophylaxis of corona info	Faculty of Pharmacy	48000 USD	36 Months	28.02.2023

**List of Project Submitted to Pakistan Council for Science & Technology (PCST) Non-HEC  
For the Year 1<sup>st</sup> July 2019 to 30 June 2020**

S.No	Name of (PI)	Designation	Co-Principal investigator	Title of Project	Department	Budget Requested (Million)	Date Of Submission
01.	Dr. Asif Nawaz	Asstt: Professor	Nil	Science Technology & Innovation (STI) Policy Research Initiative of (PCST)	Faculty of Pharmacy	7.2 (Million)	11.03.2020

**List of Submitted Project (PSF) Pakistan Science Foundation, Non HEC Islamabad,  
For the Year 1<sup>st</sup> July 2019 to 30<sup>th</sup> June 2020**

S.No	Name of Principal Investigator	Name of Co-Principal investigator	Title of Project	Department	Amount	Project Date of Submission
01	Dr. Khalid Usman, Assistant Professor		<b>Agronomic and nutritional evaluation of quinoa ( Chenopodium quinoa willd ) In a silty clay soil of Dera Ismail Khan, KP-Pakistan.</b>	Deptt: of Agronomy Faculty of Agriculture	17,20,000/-	05.08.2019
02	Dr. Adnan Amin, Assistant Professor			Faculty of Pharmacy		27.08.2019
03	Dr. Asif Nawaz, Assistant professor			Deptt: Pharmaceutics Faculty of Pharmacy	7.2 (Million)	28.08.2019
04	Dr. Muhammad Mamoon-ur-Rashid, Assistant professor	Dr. Malik Muhammad Hashim, A/P (FS&T) GU	<b>Innovative IPM approaches for the management of an invasive pest, red palm weevil, Rhynchophorus ferrugineus (Olivier) (Coleoptera: Curculionidae) on date palm (Phoenix dactylifera L.)</b>	Deptt: of Entomology Faculty of Agriculture	5,012,000/-	28.08.2019
05	Dr. Said Salman, Assistant professor	Dr. Muzammil Ahmad Khan, A/P GCBB	<b>Development of transgenic hybrid maize having tolerance against variety of biotic and abiotic stresses.</b>	Deptt: of (PBG) Faculty of Agriculture	97,75,680	28.08.2019
06	Dr. Muhammad Adeel, Assistant Professor			(ICS) Institute of Chemical Sciences		29.08.2019
07	Dr. Muhammad Akhlaq, Assistant Professor	Dr. Muhammad Adeel, A/P (ICS) GU	<b>Iodine Based Self Emulsifying Drug Delivery System: A Unique Tool For Treatment Of Bacterial Viginosis</b>	Faculty of pharmacy	17.79 (M)	29.08.2019
08	Dr. Shah Iram Niaz, Lecturer			(ICS) Institute of Chemical Sciences		29.08.2019
09	Dr. Ayesha Saddiqa, Assistant Professor	Dr. Muhammad Akhlaq, Assistant Professor, Pharmacy	<b>Extension Of Shelf Of Fruits And Vegetables By Reducing Their Browning Using Edible Inhibitors Alone And In Combination With Commercial Chemical Inhibitors</b>	(GCBB) Gomal Center of Biochemistry & Biotechnology	4.4 (M)	29.08.2019

10	Dr. Habib Ur Rehman, Assistant Professor	Syed Noor Muhammad Shah A/P Horticulture	<b>Production technology of Roselle (hibiscus sabdariffa l.) Under different environmental conditions and its use as botanical pesticide on different vegetable crops</b>	Deptt: of Horticulture Faculty of Agriculture		29.08.2019
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**List of Submitted Project (PSF) Pakistan Science Foundation, Islamabad  
(PSF) Financial Assistance Under Natural Sciences Linkage Programme (NSLP) Non-HEC  
For the Year 1<sup>st</sup> July 2020 to 30<sup>th</sup> June 2021**

S.No	Name of Principal Investigator	Name of Co-(PI)	Title of Project	Department	Amount	Project Date of Submission
12	Dr. Muhammad Kamal Shah, Assistant professor	Dr. Fiqah Ramzan, A/P Deptt: of Livestock & Poultry Production, GU	<b>(NSLP) Isolation, Molecular characterization, chemotherapeutic trails and vaccine preparation for the local isolates of Mycoplasma Agalactiae in Southern Khyber Pakhtunkhwa and FATA areas. (2020)</b>	Deptt: of Clinical Sciences, (FVAS)	6.0 (M)	10.09.2020

**List of Submitted Project (PSF) Pakistan Science Foundation, Islamabad Non-HEC  
For the Year 1<sup>st</sup> July 2022 to 30<sup>th</sup> June 2023**

S.No	Name of Principal Investigator	Designation	Name of Co-Principal investigator	Title of Project	Department	Amount	Duration of Project	Project Date of Re-Submission
12	Dr. Jabbar Khan,	Professor	Dr. Sami Siraj, Associate Professor IBA KMU Peshawar	<b>Identification of genetic factors responsible for variable phenotypes of thalassemia in Pakistan</b>	Institute of Biological Sciences	Rs. 3135000	24 Months	2022+2023

**LIST OF SUBMITTED Pakistan Innovation Fund PROJECTS (PIF) Govt. of Pakistan Planning Commission Non HEC, ISLAMABAD  
For the Year 1<sup>st</sup> July 2022 to 30 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
01	Dr. Allah Noor	Asstt: Prof	Dr. M. Junaid Siraji Asstt Prof IER	<b>“Quality Assurance of Elementary and Secondary Education in Southern Districts of Khyber Pakhtunkhwa Through A Detailed Research Study and Professional Development of Head Teachers of Schools”</b>	IER, GU	20 (M)	12 Months	25.05.2023
02	Dr. Barkat Ali Khan	Associate Professor	Nil	<b>Establishment of national research center for topical pharmaceuticals and cosmetics (NRCTPC)</b>	Faculty of Pharmacy	20 (M)	12 Months	20.05.2023