

PROJECTS UNDER RESEARCH & DEVELOPMENT FUNDED BY EFS (COMPLETED)

Rs. in million

Sr. #	Project Code	Title of the Project/Location	Name of the PI	Duration	Date of Execution	Approved budget
1.	RD001	Project Coordinator of Dengue Research Program	Prof. Dr. Saiyed I. Ahmad Institute of Microbiology, UAF	7-Months	01.12.2011	1.53
2.	RD002	Molecular Basis of Dengue Hemorrhagic Fever Pathophysiology through Gene-Networking	Dr. Junaid Ali Khan Department of Physiology & Pharmacology, UAF	7-Months	01.12.2011	1.50
3.	RD003	Molecular Characterization of Dengue-Disease related Viruses from Pakistan	Dr. M. Shah Nawaz-ul-Rehman CABB, UAF	7-Months	01.12.2011	2.00
4.	RD004	The Quantification of Different Serotypes of Dengue Virus Titre Using Real Time PCR in Patients Showing Variable Symptoms to Study the Disease-Titre relationship	Dr. M. Mubin CABB, UAF	7-Months	01.12.2011	0.50
5.	RD005	Molecular Detection of Dengue Virus Occurring among Different Mosquito Populations in some Districts of Punjab	Prof. Dr. Sajjad-ur-Rehman Institute of Microbiology, UAF	7-Months	01.12.2011	0.50
6.	RD006	Elucidation of Envelope Protein Domain III Consensus Sequence for the Further Development of Tetravalent Dengue Virus Subunit Vaccine using Transgenic <i>E.coli</i>	Dr. M. Khalid Mansoor Institute of Microbiology, UAF	7-Months	01.12.2011	0.50
7.	RD007	Whole-Genome Sequencing of Local Dengue Virus Strains in Pakistan	Dr. Mehdi Toufeer Institute of Microbiology, UAF	7-Months	01.12.2011	0.50
8.	RD008	Management of Dengue Virus and Malarial Vector Control through Biomoskill	Prof. Dr. Sajjad-ur-Rehman Institute of Microbiology, UAF	7-Months	01.12.2011	0.70
9.	RD009	Efficient use and Safety of Bacillus Pathogens as Vector Control for Effective Dengue Fever Prevention	Dr. Iram Liaqat/Prof. Dr. Saiyed I. Ahmad Institute of Microbiology, UAF	7-Months	01.12.2011	0.50
10.	RD010	Micropropagation and Commercial Exploitation of Papaya (<i>Carica papaya</i>): A Potential Candidate for Dengue Fever Treatment	Dr. Bushra Sadia CABB, UAF	7-Months	01.12.2011	1.00
11.	RD011	Wolbachia Bacteria-based Dengue Control	Prof. Dr. Iftikhar Hussain Institute of Microbiology, UAF	7-Months	01.12.2011	0.50
12.	RD012	Epidemiology of Recent Epidemic of Dengue Fever in Pakistan	Prof. Dr. M. Arshad Institute of Microbiology, UAF	7-Months	01.12.2011	0.30
13.	RD013	Botanicals: An Alternative Approach for the Vector Management	Dr. Khurram Zia Department of Entomology, UAF	7-Months	01.12.2011	0.50
14.	RD014	Varietal Identification and Purity Checking of Wheat Cultivars/Hybrids through PCR Based DNA Fingerprinting	Dr. Zulfiqar Ali Department of PBG, UAF	1-Year	01.01.2015	1.948
15.	RD015	Antibiotic Resistance Profiling of Salmonella Serovars Isolated from local Poultry Farms	Dr. Aamir Ali NIBGE, Faisalabad	2-Years	01.01.2015	1.984
16.	RD016	In-Vivo Safety Evaluation of Synthetic Food Coloring Compounds	Dr. Zulfiqar Ahmad University College of Agriculture & Environmental Sciences, The Islamia University of Bahawalpur, Bahawalpur	2-Years	01.03.2015	0.688

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17.	RD017	Establishment of Cotton Wild Species Living Herbarium for Demonstration and Research Purpose	Dr. Amir Shakeel Department of PBG, UAF	3-Years	15.03.2015	0.857
18.	RD018	Refusal of Cottonseed Cake by the Ruminant Livestock: is Bt-Cotton the Culprit	Dr. Iqar Ahmad Rana CABB, UAF	1-Year	01.04.2015	1.283
19.	RD019	A Clinical Study to investigate the Liver Specific microRNAs as Non-Invasive Biomarkers of Hepatitis: A Novel Diagnostic Tool	Dr. Muhammad Imran Arshad, Assistant Professor, Institute of Microbiology, UAF	2-Years	01.03.2016	1.108
20.	RD021	Development of a local and sustainable potting substrate for containerized nursery production	Dr. Iftikhar Ahmad Asstt, Professor, Inst. IHS, UAF	3 Years	15.10.16	3.068
21.	RD022	Identification of Lytic Phages and Cloning Lytic Enzymes Against Multidrug Resistant Staphylococcus Aureus From Mastitis Cases.	Dr. M. Aamir Aslam, Assistant Professor, Inst. of Microbiology, UAF	2 Years	01.02.17	1.501
22.	RD023	Evaluation of Dietary Probiotics and Zinc for Production of Antimicrobial Residue-free Broiler Meat in Heat Stressed Broilers	Dr. Hafsa Zenab, Associate Professor. Deptt. of Anatomy & Histology, UVAS, Lahore	1 Year	01.02.17	0.643
23.	RD024	Evaluation of Novel Inoculants of plant Growth Promoting Rhizobacteria for Biofortification of Cereals	Dr. Maqshoof Ahmad, Lecturer, Deptt. of Soil Science, Islamia University of Bahawalpur.	2 Years	01.02.17	0.768
24.	RD025	Evaluation of Cell Mediated Immune Responses (CMI) as a Diagnostic Marker for Field Diagnosis of Latent Bovine Brucellosis	Dr. Al-Hafizah Shafia Tehseen Gull, Assistant Professor, Deptt. of Pathology, UAF	2 Years	01.02.17	3.043
25.	RD026	Synthesis, Characterization and Applications of Nanomaterials to Inhibit the Growth of Bacteria	Dr. M. Yaseen, Assistant Professor, Deptt. of Physic, UAF	1 Year	01.02.17	0.384
26.	RD027	Epidemiology and Characterization of Bacterial Pathogens Associated with Epizotic Ulcerative Syndrome (EUS) and Motile Aeromonas Septicemia (MAS) from Pakistani Farmed Fish	Dr. Shahzad Ali, Assistant Professor, Faculty of Fisheries and Wildlife, UVAS, Lahore	2 Years	01.02.17	0.822
27.	RD028	Green Nano-Pesticides: A Novel Approach for Pest Control	Dr. Nazish Jahan, Assistant Professor, Department of Chemistry, UAF	15.04.19	3-years	1.981
28.	RD030	Development of Innovative Jujube, Peach and Guava Products and Capacity Building Under Public Private Partnership Mode	Dr. Muhammad Inam-ur-Raheem, Assistant Professor, National Institute of Food Science and Technology, UAF	2 Years	01.01.20& revise 01.07.20	2.022
29.	RD031	Effect of B-Galacto-oligosaccharides on Muscle, Bone and Gut Development of Physiologically Stressed Broilers	Dr. Hafsa Zaneb, Department of Anatomy & Histology, UVAS, Lahore	1 Year	01.01.20 & revise 01.07.20	1.44
30.	RD032	Study of Cellular Cannibalism (Entosis) in Tumors of Animal Origin	Dr. Syed Qasim Raza, Assistant Professor, University of Veterinary and Animal Sciences, Lahore	2 Years	01.01.2020 & Revise 01.07.2020 & 01.10.2020	1.323

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31.	RD033	Exposure Assessment of Infants to Aflatoxin M1 Through Consumption of Breast Milk and Its Association with Nutritional and Socioeconomic Status of Lactating Mothers	Dr. Azmat Ullah, Assistant Professor, Department of Food Science & Human Nutrition, UVAS, Lahore	18 Months	01.01.20 & Revise 01.07.20	1.146
32.	RD034	Utilization of Vegetable Waste to Produce Antioxidants Enriched Poultry Meat and Eggs	Dr. Jibran Hussain, Assistant Professor, Department of Poultry Production, University of Veterinary & Animal Sciences, Lahore, Ravi Campus, Pattoki	2 Years	01.01.2020 & 01.10.2020	1.179
33.	RD035	Local Development of Micro Plot Seeder for Improving Efficiency of Agricultural Experiments	Dr. Umair Sultan MNS- University of Agriculture, Multan	2 Years	01.07.2020	2.302
34.	RD036	Development and Dissemination of Meat Type Japanese Quail Breed to Counter Malnutrition among Rural Women and Children.	Dr. Umar Farooq, Assistant Professor, UAF Sub Campus Toba Tek Singh	2 Years	01.01.2020	1.385
35.	RD037	Molecular Detection, Pathobiology and Immunoprophylaxis of Fowl Typhoid in Commercial Poultry (broiler & breeder flock)	Dr. Farzana Rizvi, Associate Professor, Department of Pathology, UAF	2 Years	01.07.2020	1.89
36.	RD039	Detection of novel coronavirus (nCoV-19) by real-time RT-PCR	Dr. Mashkooor Mohsin Gilani, Assistant Professor, Inst. of Microbiology, UAF	6 Months	15.05.2020	1.974
37.	RD041	Domestication of wildly grown black raspberries for exploiting their nutritional and commercial potential under climatic conditions of Rawalakot, Azad Jammu and Kashmir.	Dr. Mehdi Maqbool, Assistant Professor, Department of Horticulture, University of Poonch, Rawlakot, Azad Jammu Kashmir	3 Years	01.10.2021	2.199
38.	RD042	Development and Evaluation of Chitosan Based Nanocomposites for the Control of Aflatoxicosis in Poultry.	Dr. Aisha Khatoon, Lecturer, Deptt. Of Pathology, UAF	3 Years	01.11.2022	2.861
39.	RD043	Tendern Structured Carbon Quantum dots and Florescent dyes for Efficient Semi-Transparent Agri-Photovoltaics.	Dr. M. Zahid, Associate Professor, Deptt. of Chemistry, UAF	3Years	01.11.2022	4.104
40.	RD044	Integrated Pest Management of Guava Mealybugs, Infesting Guava Orchards in Sindh.	Dr. Shahjahan Rajput, Assistant Professor, Shaheed Z.A. Bhutto Agriculture College, Dokri, Larkana, Sindh	3 Years	01.11.2022	2.634
41.	RD045	Surveillance of Arthropods and Arthropod Borne Diseases of One Health Significance at the Host-Vector-Environment Interface at Various Agro-Geo Climate Zones of Punjab, Pakistan.	Dr. M. Sohail Sajid, Associate Professor, Department of Parasitology, UAF	3 Years	01.11.2022	3.867
42.	RD047	Appraisal of Hispidulin In Downregulation of Hyperglycemia; a Novel Therapeutic Approach.	Dr. Wafa Majeed, Lecturer, Department of Pharmacy, UAF	2 Years	01.11.2022	2.563
43.	RD048	Development of a Biopesticide for the Management of Blackleg of Potato in Pakistan.	Dr. Khalid Naveed, Assistant Professor, Department of Plant Pathology, UAF Sub Campus, Okara	3 Years	01.11.2022	1.375
44.	RD049	Field Evaluation for Commercialization of Herbicide-Tolerant (CABB-HTS) and Insect-Resistant (CABB-IRS)	Prof. Dr. Muhammad Sarwar Khan, CABB, UAF	3 Years	01.11.2022 Extended up	6.569

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		Transgenic Sugarcane.			to 30.4.2026)	
45.	RD050	3-Hydroxyflavone; A multi-Targeted Approach to Combat Diabetes Induced Damages in Vital Organs	Dr. Muhammad Umar Ijaz, Lecturer, Zoology, UAF	2 Years	15.02.2024	1.835