

**PROJECTS UNDER RESEARCH & DEVELOPMENT FUNDED BY EFS (COMPLETED)**

Rs. in million

| Project Code | Sr. # | Title of the Project/Location  | Name of the PI   | Duration | Date of Execution | Approved budget |
|--------------|-------|--|--|----------|-------------------|-----------------|
| RD001        | 1.    | Project Coordinator of Dengue Research Program   | Prof. Dr. Saiyed I. Ahmad<br>Institute of Microbiology, UAF  | 7-Months | 01.12.2011        | 1.53            |
| RD002        | 2.    | Molecular Basis of Dengue Hemorrhagic Fever Pathophysiology through Gene-Networking  | Dr. Junaid Ali Khan<br>Department of Physiology & Pharmacology, UAF  | 7-Months | 01.12.2011        | 1.50            |
| RD003        | 3.    | Molecular Characterization of Dengue-Disease related Viruses from Pakistan   | Dr. M. Shah Nawaz-ul-Rehman<br>CABB, UAF   | 7-Months | 01.12.2011        | 2.00            |
| RD004        | 4.    | 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<br>CABB, UAF  | 7-Months | 01.12.2011        | 0.50            |
| RD005        | 5.    | Molecular Detection of Dengue Virus Occurring among Different Mosquito Populations in some Districts of Punjab   | Prof. Dr. Sajjad-ur-Rehman<br>Institute of Microbiology, UAF   | 7-Months | 01.12.2011        | 0.50            |
| RD006        | 6.    | 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<br>Institute of Microbiology, UAF  | 7-Months | 01.12.2011        | 0.50            |
| RD007        | 7.    | Whole-Genome Sequencing of Local Dengue Virus Strains in Pakistan  | Dr. Mehdi Toufeer<br>Institute of Microbiology, UAF  | 7-Months | 01.12.2011        | 0.50            |
| RD008        | 8.    | Management of Dengue Virus and Malarial Vector Control through Biomoskill  | Prof. Dr. Sajjad-ur-Rehman<br>Institute of Microbiology, UAF   | 7-Months | 01.12.2011        | 0.70            |
| RD009        | 9.    | Efficient use and Safety of Bacillus Pathogens as Vector Control for Effective Dengue Fever Prevention   | Dr. Iram Liaqat/Prof. Dr. Saiyed I. Ahmad<br>Institute of Microbiology, UAF  | 7-Months | 01.12.2011        | 0.50            |
| RD010        | 10.   | Micropropagation and Commercial Exploitation of Papaya ( <i>Carica papaya</i> ): A Potential Candidate for Dengue Fever Treatment                                    | Dr. Bushra Sadia<br>CABB, UAF  | 7-Months | 01.12.2011        | 1.00            |
| RD011        | 11.   | Wolbachia Bacteria-based Dengue Control  | Prof. Dr. Iftikhar Hussain<br>Institute of Microbiology, UAF   | 7-Months | 01.12.2011        | 0.50            |
| RD012        | 12.   | Epidemiology of Recent Epidemic of Dengue Fever in Pakistan  | Prof. Dr. M. Arshad<br>Institute of Microbiology, UAF  | 7-Months | 01.12.2011        | 0.30            |
| RD013        | 13.   | Botanicals: An Alternative Approach for the Vector Management  | Dr. Khurram Zia<br>Department of Entomology, UAF   | 7-Months | 01.12.2011        | 0.50            |
| RD014        | 14.   | Varietal Identification and Purity Checking of Wheat Cultivars/Hybrids through PCR Based DNA Fingerprinting  | Dr. Zulfiqar Ali<br>Department of PBG, UAF   | 1-Year   | 01.01.2015        | 1.948           |
| RD015        | 15.   | Antibiotic Resistance Profiling of Salmonella Serovars Isolated from local Poultry Farms   | Dr. Aamir Ali<br>NIBGE, Faisalabad   | 2-Years  | 01.01.2015        | 1.984           |
| RD016        | 16.   | In-Vivo Safety Evaluation of Synthetic Food Coloring Compounds   | Dr. Zulfiqar Ahmad<br>University College of Agriculture & Environmental Sciences, The Islamia University of Bahawalpur, Bahawalpur | 2-Years  | 01.03.2015        | 0.688           |
| RD017        | 17.   | Establishment of Cotton Wild Species Living Herbarium for Demonstration and Research Purpose   | Dr. Amir Shakeel<br>Department of PBG, UAF   | 3-Years  | 15.03.2015        | 0.857           |

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| RD018        | 18.   | Refusal of Cottonseed Cake by the Ruminant Livestock: is Bt-Cotton the Culprit   | Dr. Iqrar Ahmad Rana<br>CABB, UAF  | 1-Year    | 01.04.2015                    | 1.283           |
| RD019        | 19.   | A Clinical Study to investigate the Liver Specific microRNAs as Non-Invasive Biomarkers of Hepatitis: A Novel Diagnostic Tool  | Dr. Muhammad Imran Arshad,<br>Assistant Professor, Institute of Microbiology, UAF  | 2-Years   | 01.03.2016                    | 1.108           |
| RD020        | 20.   | Development of a local and sustainable potting substrate for containerized nursery production  | Dr. Iftikhar Ahmad<br>Asstt, Professor, Inst. IHS, UAF   | 3 Years   | 15.10.16                      | 3.068           |
| RD021        | 21.   | Identification of Lytic Phages and Cloning Lytic Enzymes Against Multidrug Resistant Staphylococcus Aureaus From Mastitis Cases.   | Dr. M. Aamir Aslam, Assistant Professor, Inst. of Microbiology, UAF  | 2 Years   | 01.02.17                      | 1.501           |
| RD022        | 22.   | Evaluation of Dietary Probiotics and Zinc for Production of Antimicrobial Residue-free Broiler Meat in Heat Stressed Broilers  | Dr. Hafsa Zenab,<br>Associate Professor.<br>Deptt. of Anatomy & Histology,<br>UVAS, Lahore   | 1 Year    | 01.02.17                      | 0.643           |
| RD023        | 23.   | Evaluation of Novel Inoculants of plant Growth Promoting Rhizobacteria for Biofortification of Cereals   | Dr. Maqshoof Ahmad,<br>Lecturer,<br>Deptt. of Soil Science, Univ. College of Agri. & Envir. Sciences, Islamia University of Bahawalpur.        | 2 Years   | 01.02.17                      | 0.768           |
| RD024        | 24.   | Evaluation of Cell Mediated Immune Responses (CMI) as a Diagnostic Marker for Field Diagnosis of Latent Bovine Brucellosis   | Dr. Al-Hafizah Shafia Tehseen Gull,<br>Assistant Professor,<br>Deptt. of Pathology, UAF  | 2 Years   | 01.02.17                      | 3.043           |
| RD025        | 25.   | Synthesis, Characterization and Applications of Nanomaterials to Inhibit the Growth of Bacteria  | Dr. M. Yaseen,<br>Assistant Professor,<br>Deptt. of Physic, UAF  | 1 Year    | 01.02.17                      | 0.384           |
| RD026        | 26.   | Epidemiology and Characterization of Bacterial Pathogens Associated with Epizotic Ulcerative Syndrome (EUS) and Motile Aeromonas Septicemia (MAS) from Pakistani Farmed Fish | Dr. Shahzad Ali,<br>Assistant Professor,<br>Faculty of Fisheries and Wildlife,<br>UVAS, Lahore   | 2 Years   | 01.02.17                      | 0.822           |
| RD027        | 27.   | Effect of B-Galacto-oligosaccharides on Muscle, Bone and Gut Development of Physiologically Stressed Broilers  | Dr. Hafsa Zaneb,<br>Department of Anatomy & Histology,<br>UVAS, Lahore   | 1 Year    | 01.01.20 & revise<br>01.07.20 | 1.44            |
| RD028        | 28.   | 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,<br>Assistant Professor,<br>Department of Food Science & Human Nutrition, University of Veterinary and Animal Sciences, Lahore | 18 Months | 01.01.20 & Revise<br>01.07.20 | 1.146           |
| RD029        | 29.   | Detection of novel coronavirus (nCoV-19) by real-time RT-PCR   | Dr. Mashkoor Mohsin Gilani,<br>Assistant Professor,<br>Inst. of Microbiology, UAF  | 6 Months  | 15.05.2020                    | 1.974           |