

International Conference Punjab University (ICPU 2019)
RECENT INNOVATIONS IN MOLECULAR SCIENCES
 November 06-08, 2019

SCIENTIFIC PROGRAM

Wednesday, November 06, 2019

Inaugural Session (Faisal Auditorium, IER)	
Time	Program
08:00-09:30	Registration / Mounting of Posters (IER, corridors)
09:30-09:40	Guests to be Seated
09:40-09:45	Recitation from the Holy Quran
09:45-09:55	Welcome Remarks by Prof. Dr. M. Waheed Akhter (Convener, ICPU 2019)
09:55-10:35	Keynote Address by Prof. Dr. Atta-ur-Rahman (Guest of Honor; NI, HI, SI, TI, UNESCO Science Laureate)
10:35-10:50	Address by Prof. Dr. Niaz Ahmad Akhtar (Vice Chancellor, University of the Punjab, Lahore)
10:50-11:00	Vote of Thanks by Prof. Dr. Firdaus-e-Bareen Dean, Faculty of Life Sciences, University of the Punjab, Lahore
11:00-11:05	Group Photo
11:05-11:30	Tea/Refreshment (IER Lawns)
Plenary Session-I (Faisal Auditorium)	
Chairs: Prof. Dr. Atta-ur-Rahman, Prof. Dr. Firdaus-e-Bareen	
11:30-12:15	PL-01: Chemistry using Enzymes James H. Naismith (Oxford, UK)
12:15-13:00	PL-02: Natural Product Chemistry- Recent Discoveries M. Iqbal Choudhary (ICCBS-KU, PK)
13:00-14:00	Prayer Break /Lunch (IER Lawns)
14:00-16:30	Concurrent Scientific Sessions
Scientific Session-I (IC)	
Theme: Agriculture Biotechnology/Gene Editing for Crop Improvement	
Chairs: Prof. Dr. Kausar A. Malik, Prof. Dr. Javed Iqbal	
14:00-14:25	IL-01: Improvement of Cotton Fiber Quality through Exotic Gene Expression Tayyab Hussnain (CEMB, PU)
14:25-14:50	IL-02: Genetic Engineering, Genomics and Genome Editing for Food and Fiber Security Shahid Mansoor (NIBGE, Faisalabad)
14:50-15:10	IL-03: Isolation and Utilization of Suitable Promoters for Transgene Expression of Agronomically Important Crops Aftab Bashir (FCCU, Lahore)
15:10-15:20	OP-01: Molecular Screening of Bacterial Blight Resistance in Malaysian Rice Arshad Javed (IAGS, PU)
15:20-15:30	OP-02: Detoxification of Aflatoxin b1 and b2 using Plant Phytochemicals Tehmina Anjum (IAGS, PU)
15:30-15:40	OP-03: Journey Towards the End of CLCVs - Friends from Foe M. Tahir (NUST, Islamabad)

15:40-15:50	OP-04: Genetic Control of Cotton Fiber Development in Diploid and Tetraploid Cotton Varieties Uzma Qaiser (SBS, PU)
15:50-16:00	OP-05: Coordination of Meiotic Recombination in <i>Brassica</i> Diploid and Allotetraploid Species Zeeshan Shamim (MUST, AJK)
16:00-16:10	OP-06: Role of Leucine Rich Repeat (LRR) Gene in Transgenic Cotton under Drought Stress Sameera Hassan (CEMB, PU)
16:10-16:20	OP-07: Salinity Induced Changes in Non-photochemical Quenching and Electron Transport Fluxes in Thylakoid Membranes of Barley (<i>Hordeum vulgare</i>) Genotypes Muhammad Salim Akhtar (BZU, Multan)
16:20-16:30	OP-08: Validation of Reference Genes for RT-qPCR Expression Analysis in <i>Chilo partellus</i> Olawale Samuel Adeyinka (CEMB, PU)
Scientific Session-II (Faisal Auditorium) Theme: Genomics, Proteomics, Metabolomics, Bioinformatics Chairs: Prof. Dr. M. Waheed Akhtar, Prof. Dr. Shamsad Zarina	
14:00-14:25	IL-04: Functional Nanomaterials for Biomedical Applications Irshad Hussain (LUMS, Lahore)
14:25-14:50	IL-05: Understanding Oral Squamous Cell Carcinoma using Proteomic Techniques Shamsad Zarina (NCP-KU, Karachi)
14:50-15:10	OP-09: SpatialOMx Combining MALDI-imaging and LC-MS/MS after Tissue Extraction using a New Dual Ion Source QTOF with TIMS Separation Martina Macht (Bremen, Germany)
15:10-15:30	OP-10: Linux Support Packages for Bioinformatics Bilal Wajid (UET, Lahore)
15:30-15:40	OP-11: Bacteria and Next Generation Genomics to Rescue us from Climate Change Muhammad Farhan ul Haque (SBS, PU)
15:40-15:50	OP-12: First Studies on Rapid Identification of Microorganisms by MALDI Biotyping in Pakistan Qurra-tul-ain Afza Gardner (SBS, PU)
15:50-16:00	OP-13: Determination of Deleterious Missense Mutations in TP53 Gene of Breast Cancer Patients of Punjabi Population by Next Generation Sequencing Haleema Sadia (BUIEMS, Quetta)
16:00-16:10	OP-14: Discovery of Glioblastoma Specific Metabolic Biomarkers using High Resolution Magic Angle Spinning Magnetic Resonance Spectroscopy Safia Firdous (IBB, PU)
16:10-16:20	OP-15: Metagenomic Profiling of Fresh Water Lakes at Different Altitudes in Pakistan Faizan Saleem (MAJU, Karachi)
16:20-16:30	OP-16: Comparison of Archaeal Biodiversity from the Rhizospheric and Non-rhizospheric Soils of Halophytes Salma Mukhtar (FCCU, Lahore)
Scientific Session-III (IBB) Theme: Drug Discovery and Stem Cell Technology Chairs: Prof. Dr. Syed Nawazish-i-Husain, Prof. Dr. Nadeem Irfan Bukhari	
14:00-14:25	IL-06: New Type of Stem Cell Holds Key to Cure Heart Diseases M. Ashraf (Augusta, USA)

14:25-14:50	IL-07: P2X Receptors in Cardiovascular Diseases Syed Nawazish-i-Husain (Pharmacy, PU)
14:50-15:10	OP-17: Nicotine Dependence and Pharmacological Interventions of Nicotine Withdrawal Syndrome in Both Sexes of Rats: Contribution of Central Serotonergic System Samina Bano (KU, Karachi)
15:10-15:20	OP-18: Finding New and Unique Drug Targets against the Resistant Microbial Pathogens using Bioinformatics Methods Reaz Uddin (ICCBS, Karachi)
15:20-15:30	OP-19: CDC14A phosphatase activity is essential for hearing and male fertility Ayesha Imtiaz (SBS, PU)
15:30-15:40	OP-20: Lithium Chloride Suppresses Aging Induced Oxidative Stress and Malfunction in Organs in Rats Noreen Samad (BZU, Multan)
15:40-15:50	OP-21: <i>Aesculus indica</i> Inhibits Inflammation via Downregulation of NF-KB in Adipose Stem Cells Hamzah Khawaja (CEMB, PU)
15:50-16:00	OP-22: Sodium Butyrate - A Potential Anti-cancer Drug via Decreased Expression of mTOR and Sirt1 Soumble Zulfiqar (SBS, PU)
16:00-16:10	OP-23: Expression Analysis, Biological and Biophysical Characterization of a Recombinantly Produced Potential Biopharmaceutical against Cancer M. Mudassir Iqbal (IBB, PU)
16:10-16:20	OP-24: A Prodrug DB-123 Induces Fetal Hemoglobin Expression in K562 Erythroleukemic Cells and β -YAC Transgenic Mice Model: Development of a Novel HbF inducer for β -Thalassemia Faisal Khan (ICCBS, Karachi)
16:20-16:30	OP-25: Effect of <i>Caralluma tuberculata</i> on Signaling Pathways Involved in Carbohydrate Metabolizing Enzymes of Liver in Alloxan-induced Rats Maria Aslam (Pharmacy, PU)
Scientific Session-IV (SBS) Theme: Microbial Biochemistry/Biotechnology Chairs: Prof. Dr. Naeem Khan, Prof. Dr. Sikander Sultan	
14:00-14:25	IL-08: Diversity of Pathogen Related Bacteria Living in Symbiosis with Ciliates Alexi Potekhin (SPSU, Russia)
14:25-14:40	IL-09: Statistical Optimization for Xylanase Production by <i>Bacillus licheniformes</i> using Banana Peels: An Agro-Industrial Waste Javed Iqbal Qazi (Zoology, PU)
14:40-14:50	IL-10: <i>Bacillus</i> Strains as a Risk Factor for Biofouling of Central Venous Catheters of Cardiac Patients Anjum Nasim Sabri (MMG, PU)
14:50-15:00	OP-26: A Unique Approach for the Production of a Soluble DNA Polymerase B: A Novel Enzyme from <i>Pyrobaculum calidifontis</i> Rana Salman Anjum (FCCU, Lahore)
15:00-15:10	OP-27: Prospects of Augmented Nitrogenase Activity in Root Dwelling Cyanobacteria Mehboob Ahmed (MMG, PU)
15:10-15:20	OP-28: Agricultural Applications of Halotolerant Bacteria Associated with <i>Suaeda fruticosa</i> Basharat Ali (MMG, PU)
15:20-15:30	OP-29: Lethal and Sub-Lethal Doses of <i>Beauveria bassiana</i> and <i>Bascillus thuringiensis</i> on Morality and Development of <i>Chilo infuscatellus</i> Snellen Waqas Wakil (UAF, Faisalabad)

15:30-15:40	OP-30: Physicochemical and Microbiological Analysis of Bottled Drinking Water Shinawar Waseem Ali (IAGS, PU)
15:40-15:50	OP-31: Multifarious Beneficial Attributes of Phosphate Solubilizing Bacteria and their Effect on <i>Triticum aestivum</i> under Pesticides Stress Iqra Munir (UoL, Lahore)
15:50-16:00	OP-32: Identification and Antimicrobial Susceptibility Profile of Bacterial Pathogens Isolated from Wound Infections at RMI, Peshawar Mahwish Riaz (SBBWU, Peshawar)
16:00-16:10	OP-33: Studying the Protein Disorders in DNA Partitioning Muhammad Fayyaz ur Rehman (UoS, Sargodha)
16:10-16:20	OP-34: Genetic and Adaptive Engineering of a Hyperthermophilic Archaeon, <i>Thermococcus kodakarensis</i> to Produce Biohydrogen from Chitin Mehwish Aslam (SBS, PU)
16:20-16:30	OP-35: A novel Trifunctional, Family GH10 Enzyme from <i>Acidothermus cellulolyticus</i> 11B Saher Shahid (SBS, PU)
16:30-18:00	Tea/ Poster Evaluation (IER corridors; Poster No. 1-139)

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Plenary Session-II (Faisal Auditorium)	
Chairs: Prof. Dr. A. R. Shakoori, Prof. Dr. S. M. Saqlan Naqvi	
09:00-09:45	PL-03: Prevention of Alzheimer's Disease by Rescuing Neuronal Connectivity Deficit Khalid Iqbal (New York, USA)
09:45-10:30	PL-04: The Golgi Apparatus as a Cell Sensor Paul A. Gleeson (Melbourne, Australia)
10:30-11:00	Tea Break/ Poster Evaluation (UGB; Poster No. 140-271)
11:00-13:00	Concurrent Scientific Sessions
Scientific Session-V (IC)	
Theme: Environment, Energy & Sustainable Development	
Chairs: Mr. Anwar Rashid, Prof. Dr. Sajid Rashid Ahmad	
11:00-11:25	IL-11: Pollution and its Control in China and Identification of Organic Pollutants in Water by Florescence Technique Jing WU (Tsinghua, China)
11:25-11:50	IL-12: Impacts & Risk Evaluation of Hudaira Drain on Adjacent Ground Water and Soil using Geospatial Techniques Sajid Rashid Ahmad (CEES, PU)
11:50-12:00	IL-13: Heat Tolerance in Indigenous Livestock Breeds: An Important Genetic Trait of Interest under the Global Climate Change Concern Tanveer Hussain (VU, LHR)
12:00-12:10	OP-36: Simultaneous Recovery of Copper and Degradation of Organic Pollutants in Aqueous Systems by a Combination of Electrolytic and Photolytic System Mukhtar-ul-Hassan (Brunel, UK)
12:10-12:20	OP-37: Generation of Fuel and Power Development through Nanocatalytic Pyrolysis of Biomass Zaib Hussain (IC, PU)
12:20-12:30	OP-38: Sustainable Ecosystem Services of Managing Biomass of Invasive Plants through Biochar Muhammad Shafiq (Botany, PU)
12:30-12:40	OP-39: Isolation and Characterization of Multiple Heavy Metal-resistant and Hexavelant Chromium-reducing <i>Microbacterium testaceum</i> B-HS2 from Tannery Effluent Amina Elahi (MMG, PU)
12:40-12:50	OP-40: Developing an Airborne Wind Turbine Model for Sustainability Solution of Energy Crisis in Pakistan Ammadud Din (IQTM, PU)
12:50-13:00	OP-41: Restore™ a Multifunctional Biofertilizer Formulation having Consortium of Plant Growth Promoting Rhizobacteria Humera Aslam Awan (ARC, Lahore)

Scientific Session-VI (UGB)	
Theme: Agricultural Biotechnology	
Chairs: Prof. Dr. Tayyab Husnain, Prof. Dr. Saleem Haider	
11:00-11:25	IL-14: Role of Lipids in Agriculture Thomas Raymond (MUN, Canada)
11:25-11:50	IL-15: Barley as a Plant Platform for Producing Pharmaceutical Recombinant Proteins Kasra Esfahani (NIGEB, Iran)
11:50-12:00	OP-42: Antifungal Activity against <i>Sclerotium rolfsii</i> and GC-MS Analysis of Leaf Extract of <i>Azadirachta indica</i> Arshad Javaid (IAGS, PU)
12:00-12:10	OP-43: Development and Evaluation of Cotton Transgenes for Improved Fiber Traits Asia Khatoon (IBB, PU)
12:10-12:20	OP-44: Molecular Study on field evolved Resistance of Red Palm Weevil (<i>Rhynchophorus ferrugineus</i>) and its Management through RNAi Mujahid Manzoor (IAGS, PU)
12:20-12:30	OP-45: Application of Different Vigor Test for Evaluation of Seed Quality and Viability Salik Nawaz Khan (IAGS, PU)
12:30-12:40	OP-46: Heat Shock Protein Gene: The Future for Heat Stress Tolerance in Plant Species Bushra Rashid (CEMB, PU)
12:40-12:50	OP-47: Evaluation of Antioxidant Capacity of Sunflower Hybrid Seed Varieties Treated with Potassium Nitrate Nighat Zia-ud-Din (GCU, Faisalabad)
12:50-13:00	OP-48: Heat Shock Protein Gene Family in Agave Sisalana: Identification and Analysis of cDNA Coding <i>HSP70</i> in Cotton under Heat Stress Anicet A Batcho (CEMB, PU)
Scientific Session-VII (IBB)	
Theme: Nanotechnology and Material Science	
Chairs: Prof. Dr. Javed Iqbal Qazi, Prof. Dr. Ikram-ul-Haq	
11:00-11:25	IL-16: Clinical Implication of Next Generation Sequencing and Precision Medicine in Pakistan Johar Ali (CGS, KP)
11:25-11:50	IL-17: Nanotechnology and Molecular Sciences for Artificial Photosynthesis, Solar and Chemical Energy Conversions Khurram S. Joya (KFUPM, Saudi Arabia)
11:50-12:00	OP-49: SNAP Loaded Chitosan-Poly (Vinyl Alcohol) Hydrogel Promotes Angiogenesis in Chick Embryo Wound Model Muhammad Tariq Awan (MUST, Mirpur AJK)
12:00-12:10	OP-50: Synthesis, Characterization and Magnetic Studies of Cobalt (II), Manganese (II) and Copper (II) Complexes Containing Nitrogen-Oxygen Donor Ligands Asmat Zahra (IC, PU)
12:10-12:20	OP-51: Biogenic Synthesis of Nano-antibiotic to Fight against Multidrug Resistant Organisms Abdul Majeed (Riphah, Lahore)
12:20-12:30	OP-52: A Comparative Decoloration of Two Different Dyes from Aqueous Solution using Electrospun Nanofibers Embedding TiO ₂ under UV-A Light Zunaira Habib (NUST, Islamabad)

12:30-12:40	OP-53: pH Responsive and Biodegradable Ternary Blend Hydrogels (Chitosan Gaur gum/PVP) for Injectable Drug Release Application Zunaira Huma Ghauri (PET, PU)
12:40-12:50	OP-54: Study of Self-Assembled Monolayers of Cyclohexanethiol on Au Disclosed by STM Ayesha Mubshrah (COMSATS, Lahore)
12:50-13:00	OP-55: <i>In vitro</i> and <i>In vivo</i> Evaluation of Velpatasvir Loaded Mesoporous Silica Scaffold. A Prospective Carrier for Drug Bioavailability Enhancement Yasir Mehmood (GCU, Faisalabad)
Scientific Session-VIII (SBS) Theme: Cancer Biology Chairs: Prof. Dr. Naeem Rashid, Prof. Dr. Lim Yang Mooi	
11:00-11:25	IL-18: 2-Methoxy-1,4-Naphthoquinone Triggers Cell Death of A549 via JNK and p38 MAPK Signaling Pathways Lim Yang Mooi (CCR, Malaysia)
11:25-11:50	IL-19: Cancer Bioinformatics and Systems Biology Safee Ullah Chaudhary (LUMS, Lahore)
11:50-12:00	OP-56: Downstream Receptors in Toll Pathway Influence Eicosanoid Signaling in Beet Armyworm <i>Spodoptera exigua</i> Tahir Shafeeq (IAGS, PU)
12:00-12:10	OP-57: Liver Specific MicroRNAs and Soluble Cytokine IL-33 as Non-invasive Biomarkers of Hepatitis M. Imran Arshad (UAF, Faisalabad)
12:10-12:20	OP-58: Modulator of KRAS Oncogene and Apoptosis Inducer in Non-small Cell Lung Carcinoma Cell Line Mariam Ashfaq Khan (ICCBS, Karachi)
12:20-12:30	OP-59: Overcoming Tamoxifen Resistance in Estrogen Receptor Positive Breast Cancer using the Novel Thiosemicarbazone Anti-cancer Agent, DpC Sundas Naila Maqbool (NUST, Islamabad)
12:30-12:40	OP-60: Studying the Proliferation Rate of Cancer Cells under Metabolic Stress: 2D vs 3D Cell Cultures Rimsha Munir (MMG, PU)
12:40-12:50	OP-61: Identification of Circulating MicroRNAs as Non-Invasive Biomarkers of Triple Negative Breast Cancer in Pakistani Population Jawaria Shaheen (IBB, PU)
12:50-13:00	OP-62: Cytotoxic and Anti-inflammatory Activity of <i>Peganum harmala</i> against LPS-Stimulated Jurkat cells Razia Bashir (UoE, Lahore)
13:00-14:00	Prayer Break /Lunch (IBB Lawns)
14:00-15:00	Poster Evaluation (UGB, Poster No. 139-271)
14:00-18:00	Tour to Wagha Border (for Foreign Guests and Invited Speakers)
19:00-21:00	Farewell/Gala Dinner

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Plenary Session-III (Faisal Auditorium)	
Chairs: Prof. Dr. Shahida Husnain, Prof. Dr. Anjum Nasim Sabri	
09:00-09:45	PL-05: The War against Tuberculosis- Are We Losing the Battle or Just Not Negotiating Well Andrea Cooper (Leicester, UK)
09:45-10:30	PL-06: Learning about Proteins: From <i>In Test Tubes</i> to <i>In Living Cells</i> Zengyi Chang (Beijing, China)
10:30-11:00	Tea Break/ Poster Evaluation (UGB; Poster No. 272-412)
11:00-13:00	Concurrent Scientific Sessions
Scientific Session-IX (IC)	
Theme: Medicinal and Natural Product Chemistry	
Chairs: Prof. Dr. Liaqat Ali, Prof. Dr. Abdul Qadir	
11:00-11:25	IL-20: Catalysis for Molecular Engineering Ghayoor Abbas Chotana (LUMS, Lahore)
11:25-11:50	IL-21: PRISMS: A Pipeline for Bioactive Compounds from Natural Sources Amer Jamil (UAF, Faisalabad)
11:50-12:00	OP-63: One Pot Synthesis of Some Novel Sulfonamide Derivatives Containing NH ₂ Group; Spectral Characterization and Biological Evaluation Hajira Rehman (LGU, Lahore)
12:00-12:10	OP-64: Manganese Peroxidase by <i>Coriolus pubescens</i> Effluent of Pulp and Paper Industry Zill-e-Huma Aftab (IAGS, PU)
12:10-12:20	OP-65: Synthesis, Bioevaluation and Docking Studies of Benzodioxane Sulfonamides as Potent Lipoxygenase and Acetylcholinesterase Inhibitors with Low Cytotoxicity Misbah Irshad (UoE, Lahore)
12:20-12:30	OP-66: Synthetic Protocols and Biological Potential of Benzothiazole and its Derivatives Muzammil Hussain (GCU, Faisalabad)
12:30-12:40	OP-67: Synthesis, Spectral and Antimicrobial Study of Aniline Derivative Schiff Base Copper (II) Complexes Habib Hussain Bubak (UET, Narowal)
12:40-12:50	OP-68: Enzymatic Reprocessing of Food Wastes for Extraction of Valuables Nasir Ahmad (SBS, PU)
12:50-13:00	OP-69: The Combined Role of Allelic Variants of IRS-1 and IRS-2 genes in Susceptibility to Type2 Diabetes in the Punjabi Pakistani Subjects Shabana (MMG, PU)
Scientific Session-X (UGB)	
Theme: Infectious Diseases and Diagnostics	
Chairs: Dr. Imran H. Khan, Dr. Saima Sadaf	
11:00-11:25	IL-22: Multidisciplinary Approach to TB Diagnostics Imran H. Khan (UC Davis, USA)

11:25-11:50	IL-23: Immunologic Approach to Identify Predictive Factors for Development of Hepatocellular Carcinoma in HCV-Infected Patients Treated with Direct-Acting Antivirals Zuzana MACEK JÍLKOVÁ (La Tronche, France)
11:50-12:10	IL-24: Molecular and Immunological Basis of HCV Pathogenesis Shahjahan (UHS, Lahore)
12:10-12:30	IL-25: Human Endogenous Retrovirus in Chronic Inflammatory Diseases: The Example of Multiple Sclerosis Patrice N. Marche (La Tronche France)
12:30-12:40	OP-70: Gut Microbiome Dysbiosis in Active Tuberculosis in Endemic Setting Aasia Khaliq (SBS, PU)
12:40-12:50	OP-71: Defining the Effectiveness of MTBDRplus Assay for Detection of Mutations Associated with MDR <i>Mycobacterium tuberculosis</i> Strains from Punjab Hafiza Jawairia Hashmi (MMG, PU)
12:50-13:00	OP-72: Search for eQTLs as Indicator of Regulatory Variance in Immune Genes Related to TB Ayesha Zafar (Zoology, Lahore)
Scientific Session-XI (IBB) Theme: Environmental Biology and Bioremediation Chairs: Prof. Dr. Syed Tufail Sherazi, Prof. Dr. Nabila Roohi	
11:00-11:25	IL-26: Cleaning of Contaminated Environment; Best Strategies for Remediation Faharul Zamaan Huyop (UTM, Malaysia)
11:25-11:50	IL-27: Fluorescence and Photophysical Properties of Halogenated Benzenes in Water: A Theoretical and Experimental Approach M. Farooq Saleem Khan (Beijing, China)
11:50-12:00	OP-73: Perks of Heterogeneous Catalysts for the Reductive Depolymerization of Lignin to Improve Existing Valorization Techniques Iqra Zubair Awan (PET, PU)
12:00-12:10	OP-74: Cd ²⁺ Stress Response in <i>Candida tropicalis</i> 3Aer Isolated from Industrial Wastewater Abdul Rehman (MMG, PU)
12:10-12:20	OP-75: Identification of Phototoxic Compounds from a Fungus for the Management of Toothed Dock M. Akbar (UoG, Gujrat)
12:20-12:30	OP-76: Photocatalytic Degradation and Quantification of Natural Organic Matter (NOM) from Different Types of Wastewater by Doped ZnO under Solar Irradiation M. Tahir Hussain (NTU, Faisalabad)
12:30-12:40	OP-77: Photoremediative potential of <i>Bryophyllum pinnatum</i> for heavy metals Asma Ashraf (GCW, Lahore)
12:40-12:50	OP-78: Green Synthesis of Silver Nanoparticles using <i>Dalbergia sissoo</i> Roxb. Leaves, their Optimization, Characterization and Application as Nano- fungicide Madeeha Ansari (Botany, PU)
12:50-13:00	OP-79: Application of Response Surface Methodology to Optimize Amylase Production using Agro-waste Saba Saeed (Zoology, PU)

Scientific Session-XII (SBS)	
Theme: Epigenetics and Genetic Diseases	
Chairs: Prof. Dr. Shahid Baig, Prof. Dr. Sadaf Naz	
11:00-11:25	IL-28: Application and Impact of Genomic Technologies and Prenatal Diagnosis of Genetic Diseases in Pakistani Population Practicing Consanguineous Marriages Shahid Baig (NIBGE, Faisalabad)
11:25-11:50	IL-29: Research on Mendelian Disorders Reveals New Genotype-Phenotype Associations Sadaf Naz (SBS, PU)
11:50-12:10	IL-30: Personalized Medicine Investigation in Iranian Patients S. Massoud Houshmand (NIGEB, Iran)
12:10-12:20	OP-80: Genetic Characterization of 15 Autosomal and 17 Y-STRs in Christian Population of Pakistan Muhammad Shafique (CEMB, PU)
12:20-12:30	OP-81: Association of NRG3 Polymorphisms with Schizophrenia: Case Control Study from Pakistan Warda Fatima (MMG, PU)
12:30-12:40	OP-82: Aberrant Promoter Methylation of Tumor Suppressor Genes, Diagnostic and Prognostic Biomarkers for Cancer Naveed Shahzad (SBS, PU)
12:40-12:50	OP-83: Identification of Novel Missense Mutation in PLK4 in Family of Microcephalic Primordial Dwarfism utilizing Whole Exome Sequencing Sajida Rasool (IBB, PU)
12:50-13:00	OP-84: Contribution of CYP1B1 Gene Variants are High in Primary Congenital Glaucoma Patients from Pakistan Khazeema Yousaf (LCWU, Lahore)
13:00-14:00	Prayer Break /Lunch (IBB Lawns)
14:00-15:00	Panel Discussion/Meet the Scientists Forum
15:00-16:00	Concluding /Prize Distribution Ceremony

Faisal Auditorium IER: Institute of Education and Research; IC: Institute of Chemistry; UGB: Undergraduate Block; IBB: Institute of Biochemistry & Biotechnology; SBS: School of Biological Sciences; PL: Plenary Lecture; IL: Invited Lecture; OP: Oral Presentation

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SCHEDULE FOR POSTER PRESENTATION

Day 1 - Wednesday (November 06, 2019)		
Mounting of Posters: 08:30 – 09:30 (IER Corridors)		
Poster Evaluation: 16:30 – 18:00		
Poster No.	Presenter	Title
Poster-1	Abeera Shaeer	Molecular cloning and characterization of highly stable manganese catalase from <i>Geobacillus thermopakistaniensis</i>
Poster-2	Alyas Shah	Correlation of maternal characteristics with biochemical parameters to examine their potential of gestational diabetes mellitus (GDM) development
Poster-3	Amina Javid	Evaluation of <i>MRE11</i> gene polymorphism rs601391 with the risk of benign breast tumors
Poster-4	Amna Malik	Soluble production of recombinant human bone morphogenetic protein 7 with SUMO fusion technology
Poster-5	Amna Rasheed	Genetic and post-translational modification analysis of L-asparaginase gene in six strains of <i>Sordaria fimicola</i>
Poster-6	Anum Tariq	Characterization of thermostable recombinant carbohydrate esterase from <i>Thermococcus kodakarensis</i>
Poster-7	Ashraf, Y	Dyslipidemia at early pregnancy as potential indicators of preeclampsia (PE)
Poster-8	Atia Rasheed	Study of the VP1 epitopic variation between different isolates of <i>FMDV</i> type O
Poster-9	Aziza Ziaudin	Single nucleotide polymorphism in tumor necrosis factor alpha (TNF- α) causing preeclampsia in Pakistani women
Poster-10	Beenish Maqsood	Molecular characterization and biochemical analysis of L-glutaminase free L asparaginase enzyme
Poster-11	Binish Khaliq	Purification, characterization and insecticidal activity of napin from <i>Brassica niger</i> (I) seeds
Poster-12	Mahnoor Naseer Gondal	Multi-scale modeling and therapeutic evaluation of colorectal tumorigenesis in <i>Drosophila melanogaster</i> midgut

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Poster-13	Rukhshan Khurshid	<i>BAP1</i> gene mutations: Loss of tumor suppressor function
Poster-14	Maria Butt	Interaction of wrinkled-1 transcription factor with the promoters of potential target genes in cotton through electromobility shift assay
Poster-15	Sitwat Zahra	Association of missense variant rs708035 in the progression of rheumatoid arthritis
Poster-16	Uzma Urooj Malik	Identification of potential candidate biomarkers for smokeless tobacco associated OSCC subjects in Pakistan using proteomics
Poster-17	Faiza Usmani	Genetic polymorphism(s) in growth hormone secretagogue receptor (<i>GHSR</i>) of chicken, in association with its growth traits and carcass yield
Poster-18	Fauzia Aqdu	Systematics and phylogeny of the genus <i>russula</i> associated with trees encompassing Murree Hills, Punjab, Pakistan
Poster-19	Hafiza Simab Asghar	Phylogenetic analysis of some cup fungi (Pezizales, Discomycetes) from Khyber Pakhtunkhwa Pakistan
Poster-20	Hafsa Maqbool	Investigation of the role of the <i>GABRG2</i> gene variants in migraine
Poster-21	Hamayun Arshad	Comparative studies on the characterization of full length and truncated bubaline serum amyloid A-1 derivatives
Poster-22	Haseeb Nisar	Mutational impact of interleukin polymorphisms on progressive rheumatoid arthritis
Poster-23	Hira Batool	A bacterial alkaline keratinase with leather dehairing and feather waste management potential
Poster-24	Hira Muzzamal	Gene cloning and characterization of <i>Tk1281</i> , a flap endonuclease 1 from <i>Thermococcus kodakarensis</i>
Poster-25	Huma Tariq	Exome sequencing expands allelic and phenotypic spectrum in movement disorders
Poster-26	Iqra Aroob	Cloning and characterization of a highly active cyclomaltoextrinase from <i>Geobacillus thermopakistanensis</i>
Poster-27	Madiha Habib	Protein profiling of <i>Aspergillus fumigatus</i> and <i>in vivo</i> diagnosis of allergic bronchopulmonary aspergillosis (ABPA) disease
Poster-28	Madiha Habib	Mutational analysis of <i>DNMT3a</i> gene in Pakistani patients with acute myeloid leukemia
Poster-29	Maham Ghouri	Protective role of interleukin 1 receptor associated kinases 2 missense variant rs3844283 against rheumatoid arthritis

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Poster-30	Majida Atta Muhammad	Production, characterization and application studies of a novel thermostable alpha amylase
Poster-31	Mavra Irfan	Polymorphism on <i>KCNQ2</i> gene susceptibility in epileptic patients of Pakistan.
Poster-32	Memoona Khan	Molecular phylogeny of parmeliaceae (lichenized fungi) from Pakistan
Poster-33	Maham Khalid	Isolation and partial characterization of lectin from <i>Iberis umbellata</i> to check its anti-cancerous activity
Poster-34	Moon Sajid	Gene expression analysis reveals complex regulation of hormones and energy metabolism under osmotic and cold stress in root tissue of maize
Poster-35	Muhammad Zohaib	Differential plasma proteomic analysis of β -thalassemia patients in response to hydroxyurea treatment
Poster-36	Muhammad Ahmad	Exploration and comparison of heat-stable/acid-stable proteins from mesophilic bacteria and plants
Poster-37	Muhammad Aijaz Ahmad	The genetic modification of flower development and methylation status in phytoplasma infected Brassica (<i>Brassica rapa</i> L.)
Poster-38	Muhammad Arif	Molecular characterization of extremely stable indole-3-glycerol-phosphate synthase from hyperthermophilic archaeon <i>Pyrococcus furiosus</i>
Poster-39	Muhammad Faisal Maqbool	Artificial light at night induces mild liver damage in women
Poster-40	Muhammad Sajed	Cloning and characterization of <i>Pcal_0970</i> , a plant type L-asparaginase from <i>Pyrobaculum calidifontis</i>
Poster-41	Muhammad Usman	Phylogenetic studies of some macrofungi of Pabbi Forest Park Pakistan by employing DNA barcoding
Poster-42	Nadia Hassan	Effect of signal peptide on expression and refolding of recombinant insulin precursors
Poster-43	Naseema Azeem	Mechanistic studies on <i>Pyrobaculum calidifontis</i> prophobilinogen synthase
Poster-44	Nisar A. Shakir	Biochemical characterization of highly active ADP dependent phosphofructokinase from <i>Thermococcus kodakarensis</i>
Poster-45	Noor Aqsa	Mutational analysis of <i>FOXP3</i> gene, exon 2 in systemic lupus erythematosus in Lahore population
Poster-46	Noor E Hira	Cloning and expression of thermophilic phytase from <i>Thermotoga maritima</i> in <i>E. coli</i>

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Poster-47	Qaisara Fatima	Role of estrogen receptor 1 gene polymorphism in genetic susceptibility to migraine
Poster-48	Qudsia Firdous	A new <i>Physcia</i> species from Pakistan proved by molecular phylogeny
Poster-49	Rana Manzoor Ahmad	Analysis of the <i>CYP2D6</i> gene mutations associated with generalized tonic colonic seizures in Pakistani patients
Poster-50	Roha Tariq	Association of <i>TP53</i> polymorphism (rs1042522) with recessive primary open angle glaucoma Pakistani population
Poster-51	Rubab Ameen	Comparative studies of the cytotoxic potential of plant lectins isolated from <i>Celosia cristata</i> and <i>Digera muricata</i>
Poster-52	Rubab Khurshid	<i>Russula baghensis</i> (Basidiomycota, Russulales), a new species from Himalayan moist temperate forest of Pakistan
Poster-53	Rutaba Gul	<i>IDUA</i> gene mutations in mucopolysaccharidosis type-1 patients from two Pakistani inbred families
Poster-54	Samina Ashraf	LC-MS/MS Analysis reveals placental differential expression of chorionic somatomammotropin hormone/human growth hormone in pregnancies with gestational diabetes mellitus
Poster-55	Samina Yousaf	Pivotal role of ethylene biosynthesis in cotton fiber elongation
Poster-56	Samra Kousar	Case-control association studies of <i>HLA-B</i> variants with asthma in local population of Lahore, Pakistan
Poster-57	Samrah Munir	Production of insulin and pro-insulin related antibodies and their cross-reactivity towards pro-insulin derivatives
Poster-58	Sana Asad	Screening and analysis of mutations in <i>FANCA</i> and <i>FANCG</i> genes among Fanconi anemia carriers in Pakistan
Poster-59	Sana Ashiq	Genetic risk score (GRS) constructed from polymorphisms in The <i>PON1</i> , <i>IL-6</i> , <i>ITGB3</i> , and <i>ALDH2</i> genes is associated with the risk of coronary artery disease in Pakistani subjects
Poster-60	Shagufta Ayesha	Investigations on digestive enzymes of <i>Drosicha stebbingi</i> and <i>Mylabris pustulata</i>
Poster-61	Sitara Nisar	Genetic engineering of human cytochrome b5 pro-insulin chimera for the enhancement of pro-insulin expression in <i>Escherichia coli</i>
Poster-62	Syed Irtiza Ali	Methylene tetrahydrofolate reductase (<i>MTHFR</i>) <i>C677T</i> polymorphism in atrial and ventricular septal defect patients
Poster-63	Syeda Sadia Bukhari	Microbiome profiling of Gilgit Baltistan by MALDI biotyping

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Poster-64	Tabassum Yousaf	Comparative analysis of gold and copper induced protein profile in <i>Klebsiella pneumonia</i>
Poster-65	Tahira Yasmin	A genome-wide analysis in consanguineous families reveals new chromosomal loci in specific language impairment (SLI)
Poster-66	Tanzeela Rehman	Transcription regulation in cotton under drought stress
Poster-67	Ume Kulsoom	Impact of genetic variant(s) of <i>TaqI</i> polymorphism in vitamin D receptor (<i>VDR</i>) gene with susceptibility to coronary artery disease (CAD)
Poster-68	Zainab Liaqat	Prevalence of <i>BRCA1/BRCA2</i> frequent mutations in the Pakistani breast cancer patients
Poster-69	Ayesha Aihetasham	Antibacterial potential of ethanolic extract of <i>Coptotermes heimi</i> and its nest
Poster-70	Hafiz Abdullah Shakir	Statistical optimization of medium components for tannase production by <i>Bacillus amyloliquefaciens</i> in submerged fermentation
Poster-71	Hooriya Younis	Cloning, expression and <i>in vitro</i> refolding of buffalo prochymosin: A precursor of chymosin used in cheese industry
Poster-72	Ibrahim Bala Salisu	Immunotoxicological study of genetically modified cotton expressing recombinant Bt and <i>Cp4EPSPS</i> proteins in albino rabbits
Poster-73	Sahar Ilyas	Molecular epidemiology of antibiotic resistance genes and virulence factors from gut microbiota <i>E. coli</i> of broilers fed on different diet groups
Poster-74	Abdul Mannan Baig	Traced on the timeline: Discovery of acetylcholine and the components of the human cholinergic system in a primitive unicellular eukaryote <i>Acanthamoeba spp.</i>
Poster-75	Aqsa Mujahid	Bioinformatics characterization of <i>YSL</i> transcription factor in wheat (<i>Triticum aestivum</i>)
Poster-76	Hafiz Suleman	<i>In silico</i> and <i>in vitro</i> studies of missense gene variants associated with cardiovascular diseases
Poster-77	Ishma Malik	Bioinformatics characterization of <i>bzip</i> transcription factor in bread wheat (<i>Triticum aestivum</i>).
Poster-78	Malik Siddique Mehmood	<i>In silico</i> analysis of deleterious missense SNPs of human <i>LHPP</i> gene involved in hepatocellular carcinoma
Poster-79	Muhammad Abdul Hannan Sodager	<i>In silico</i> designing of aeroallergens for diagnosis and therapy

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Poster-80	Rizwan Abid	<i>In silico</i> approach to microRNAs detection and target identification in glioma
Poster-81	Saira Ahmad	Synthesis and substrate specificity of acyl insulin derivatives for carboxypeptidase B
Poster-82	Waqar Hussain	Molecular docking combined with DFT computations to discover the potentially inhibiting phytochemicals targeting chorismate synthase from <i>Paracoccidioides brasiliensis</i>
Poster-83	Risham Hussain	Deciphering the regulatory control of pro-survival and anti-survival mechanisms of autophagy and its oncogenic manipulation
Poster-84	Huma Khawar	Investigation and reversal of pancreatic tumorigenesis through attractor landscape analysis and targeted drug therapy
Poster-85	Mahmood Ahmed	Discovery of curcumin heterocyclics containing sulphonamides for carbonic anhydrase inhibition and molecular docking studies
Poster-86	Ammara Khalid	Role of pharmacogenetics in drug discovery and development against single nucleotide polymorphism
Poster-87	Anam Iftikhar	Multidrug resistance in <i>Pseudomonas aeruginosa</i> and its modulation by pvcABCD operon
Poster-88	Asifa Bashir	Hypoglycemic activity <i>Phyllanthus emblica</i> in insulin resistance
Poster-89	Atta Rasool	Stimuli responsive biopolymer-based blend hydrogels for wound healing application
Poster-90	Ayesha Liaqat	Evaluation of antifungal activity of a novel indigenous plant against <i>Cryptococcus neoformans</i>
Poster-91	Nadeem Ahmed	Comparison of ion exchange matrix for on column pegylation, purification and yield of mono pegylated consensus interferon
Poster-92	Rukhsana Anwar	Investigation of analgesic, anti-inflammatory and anti-arthritic activities of <i>Cassia absus</i>
Poster-93	Samreen Gul	Synthesis of oxadiazole based structural hybrids of naproxen with low ulcerogenic effect
Poster-94	Fahad Asim	Anti-hyperlipidemic activity of different extracts of <i>Punica granatum</i> 's leaves in rats
Poster-95	Fatima Zafar	Towards discovery of effective anti-diabetic agents; synthesis and α -glucosidase inhibition activity of some pyrazole derivatives
Poster-96	Hafiza Asra Khan	Synthesis and characterization of selenium based N-heterocyclic carbene compounds and their biological activities

Poster-97	Imtiaz Majeed	Formulation, characterization and evaluation of topical cream for the treatment of neuropathic pain
Poster-98	Iram Altaf	Synthesis and characterization of hydrazone based sulfonamides using ketone as precursor
Poster-99	Komal Dil Muhammad	Molecular cloning, sequence characterization and expression analysis of human interleukin-37 in <i>Escherichia coli</i>
Poster-100	M. Muhammad Munaam Ijaz	Lipid lowering effects of bromocriptine and <i>Punica granatum</i> 's leaves in hyperlipidemic rats
Poster-101	Mehreen Zaka	Protein binding pocket optimization for virtual high throughput screening in drug discovery
Poster-102	Muhammad Asim Raza Basra	Anti-inflammatory, anti-thrombotic and molecular docking studies of 1,3,4-oxadiazole derivatives in rats
Poster-103	Muhammad Mohsin Mannan	Effects of tri-fluoperazine on androgen-insensitive human prostate cancer cell lines, PC-3 and DU-145
Poster-104	Muhammad Saeed	New insight into discovering anti dengue therapeutic by targeting the viral protease
Poster-105	Muhammad Shaheen Ashraf	Metal based scaffold as potential anticancer agents: Current status and future prospects
Poster-106	Muhammad Zubair Aslam	Dietary phytochemical agent (EVOO) used as anti-diabetic and anti-cancer drug
Poster-107	Rabia Anjum	Antioxidant capacities of <i>Moringa oleifera</i> rescue rotenone-induced parkinson's disease in mice
Poster-108	Rafia Nimal	Redox mechanism, antioxidant activity and computational studies of triazole and phenol containing Schiff bases
Poster-109	Sara Ajmal	Optimization of <i>in vitro</i> fibril formation of insulin derivatives
Poster-110	Shaheen Yaseen	Drug repurposing approach by <i>in vitro</i> screening of synergistics bactericidal effect of different drugs against <i>E. coli</i>
Poster-111	Syeda Hina Naqvi	<i>In vitro</i> anti-oxidative and anti-diabetic activities of <i>Ficus carica</i> pulp, peel and leaf
Poster-112	Hassan Ahmed	Glycyrrhiza glabra protects adipose derived mesenchymal stem cells against cobalt-chloride induced oxidative stress <i>in vitro</i>

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Poster-113	Hira Butt	<i>Epigallocatechin gallate</i> confers protection against oxidative stress in wharton's jelly derived mesenchymal stem cells
Poster-114	Maria Tayyab Baig	Vitamin E resolves <i>CCl4</i> induced hepatocyte injury <i>in vitro</i>
Poster-115	Rabail Hassan Toor/ Maira Tariq	Determination of mitochondrial dysfunction during differentiation of mouse preosteoblast cell line, <i>MC3T3-E1</i> (subclone 4)
Poster-116	Ramla Ashfaq	Applications of gelMA hydrogel in tissue engineering and repair
Poster-117	Saba Akhter	Preparation of three-dimensional scaffolds for tissue engineering and cell differentiation
Poster-118	Faqeeha Javed	Male individualization using 12 rapidly mutating Y-STRs in Araein ethnic group and shared paternal lineage of Pakistani population
Poster-119	Abeedha Tu-Allah Khan	Sexual heterogeneity in the expression profiles of different brain regions in methamphetamine treated mice
Poster-120	Aimen Zafar	Enzymatic synthesis of sweeteners from undersized potatoes
Poster-121	Amna Hamid	Estimation of levels of ALP, ESR and CRP in rheumatoid arthritis individuals
Poster-122	Areeba Fatima	Cytogenetic analysis of children with congenital dysmorphism reported to tertiary care hospital in Lahore Pakistan
Poster-123	Asia Noor	Evaluation of the probiotic potential of honeybee gut derived <i>Lactobacilli</i> and their use in producing probiotic honey
Poster-124	Azka Asif	New insights into swarming motility and quorum sensing of <i>Pseudomonas aeruginosa</i> , the regulatory role of isonitrile functionalized tyrosine
Poster-125	Munir Ahmad	Designing structural-motifs for the preparation of acylated pro-insulin and their regiospecific conversion into insulin modified at Lys29 (K29)
Poster-126	Faisal Mehdi	Altered dynamics of sugar metabolizing enzymes in sugarcane and their characteristic role in sugar recovery
Poster-127	Humaira Shah	Sea buckthorn mediate gene expression profiles against keratinocytes infection of <i>Staphylococcus aureus</i>
Poster-128	Humaira Tariq	Fertility and genetic disease relation
Poster-129	Iram Fayyaz	Systematic and phylogenetic studies of some crustose lichens from Khanaspur-Ayubia, Murree hills
Poster-130	Shandana	Recombinant production of streptokinase from clinical isolate of <i>Streptococcus pyogenes</i>

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Poster-131	Khurram Jahangir Toor	Optimization of conditions for simultaneous liquefaction and saccharification of corn starch
Poster-132	Madieha Ambreen	Evaluation of natural extracts used to control the seed borne disease and antifungal activity of tannins extracted from callus cultures of <i>Achyranthes aspera</i> L. against pathogenic fungi
Poster-133	Mehwish Akram	Inwardly rectifying potassium channels in <i>Drosophila</i> regulate the sleep/wake behavior through PDF neurons
Poster-134	Misbah Mubashar	Spectral analysis and applications of microbial indicators
Poster-135	Amna Sajid	Prediction of fingerprint patterns through DNA analysis in Pakistani population
Poster-136	Muhammad Imran	Luminescent complexes of Co(II), Ni(II), Cu(II), Zn(II) and Bi(II) with 2-aminothiazole based ligand and their biological studies
Poster-137	Shazia Dawood	Effects of anti-inflammatory drugs on indole amine 2,3-dioxygenase activity
Poster-138	Hina Chaudhry	Accumulation and cellular level sequestration of cadmium in Indian mustard <i>Brassica juncea</i>
Poster-139	Irfana Lalarukh	Improvement in morpho-physiological attributes of sunflower in salt stress by foliar application of Alpha-tocopherol

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Day 2 - Thursday (November 07, 2019)		
Mounting of Posters: 08:00 – 08:45 (UGB Corridors)		
Poster Evaluation: 10:30 – 11:00 (UGB)		
Poster No.	Presenter	Title
Poster-140	Ailia Waqar	Association of eNOS polymorphism intron 4 VNTR (4a/b) with breast cancer development in Pakistani population: A case control study
Poster-141	Ayesha Malik	Cross talk of <i>INSR/MAPK/PI3K/AKT</i> pathway in breast cancer: Modulation through <i>Psidium guajava</i> leaf extract
Poster-142	Bazgha Gul	Utilization of antioxidants as supportive care regimen in patients with advanced breast cancer
Poster-143	Beenish Sadique	Assessment of the cytotoxic effect of sulfonamide compounds on HEPg-2 cell lines
Poster-144	Muhammad Khan	Novel natural <i>STAT3</i> inhibitors with promising anticancer activity
Poster-145	Amara Maryam	Proscillaridin A induces apoptosis in A2780 ovary cancer cells via MAPK signaling pathway
Poster-146	Faiza Ayub	Reversal of gemcitabine resistance in breast cancer using natural compound
Poster-147	Fariha Tanveer	Studies on anti-tumor potential of quinazoline derivatives on epidermal growth factor receptor signaling cascade
Poster-148	Hafiza Amina Matti	Molecular genetics of ovarian and breast cancer linked with diabetes in Pakistani population
Poster-149	Hanfa Ashfaq	Anticancer potential of green synthesized silver nanoparticles using <i>Citrullus colocynthis</i> against human breast cancer cells through regulation of lipid metabolism
Poster-150	Kokab Farooq	Mining of novel epigenetically regulated tumor suppressor genes to be used as biomarkers for early breast cancer diagnosis
Poster-151	Mehmood Manzoor	Investigation of <i>Merkel cell polyomavirus</i> in patients with breast cancer in Punjab, Pakistan
Poster-152	Muhammad Shahbaz Aslam	Cell free circulating DNA as a potential biomarker for early diagnosis and prognosis of lung cancer
Poster-153	Neha Maqsood	Epigenetic alterations of a cell signaling pathway in acute lymphoblastic leukemia
Poster-154	Nida Abdul Qadir	Genetic polymorphism analysis of meiotic recombinant gene 11 in double strand break repair with breast cancer

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Poster-155	Qurrat Ul Ain Nazakat	Characterization of adhesion-dependent functions in wild type and <i>Epirubicin</i> - resistant cancer cells
Poster-156	Qurratullain Amjad	Comparative analysis of expression profiles of cell adhesion genes in multiple cancer cell lines
Poster-157	Ramsha Khan	Association of genetic variation(s) in hypoxia-associated gene(s) with squamous cell carcinoma of lungs and esophagus
Poster-158	Rida Rashid	Effect of metabolic stress on triglyceride (TG) composition and saturation index (SI) in leukemia cell lines
Poster-159	Hubza Ruatt	Hematological cancers present altered lipid metabolism in hypoxic stress
Poster-160	Saadiya Zia	Glia maturation factor gamma, a novel diagnostic marker of leukemia, has TAL1 binding sites in its promoter
Poster-161	Sadia Perveen	Investigation of cell cycle arrest potential of extract and fractions of <i>Citrullus colocynthis</i> leaves in human breast cancer cells
Poster-162	Sadia Zahid	Methylation profile of promoters of <i>IRS1</i> and <i>IRS2</i> genes in hepatitis C virus 3a genotype induced diabetes patients from Punjab
Poster-163	Samiah Shahid	Non-coding RNAs as circulating biomarkers for non-invasive diagnosis of leukemia
Poster-164	Samra Kanwal	Reversal of anthracycline resistance in colon cancer cell lines using natural compound curcumin
Poster-165	Shaikh Umair Ali	Analysis of genetic variation(s) In cell cycle checkpoint regulatory gene(s): An association with breast carcinoma
Poster-166	Shajia Jabeen	Evaluation of anti-cancer potential of medicinal plants against hepatocellular carcinoma (HCC)
Poster-167	Sheeren Gull	Investigating therapeutic potential of indigenous <i>Euphorbiaceous</i> plants against breast cancer
Poster-168	Snobia Munir	Molecular analysis of diabetes and different types of cancer from the premises of Lahore
Poster-169	Syeda Saliha Hassan	Aberrant promoter methylation of a panel of genes and its clinicopathological implications in pediatric acute lymphoblastic leukemia
Poster-170	Hina Usman	Analysis of cholesterol esters in leukemia cells
Poster-171	Warda Shakeel	Potential use of melatonin as an adjuvant therapy in breast cancer
Poster-172	Abdul Basit	Synergistic saccharification of cellulosic substrates by processive cellulase and β -glucosidase from <i>Thermotoga maritima</i>

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Poster-173	Abida Hassan	Production of lovastatin and its applications in food quality improvement
Poster-174	Afifa Israr	Use of metal reducing bacteria for chromate reduction- A major skin allergen in cement
Poster-175	Amtur Rafeh	Tracing out the prehistoric vegetational pattern of Pakistan by morphometric analysis of dental remains of middle miocene herbivores
Poster-176	Attiya Hameed	Characterization of probiotic lactic acid producing bacteria isolated from traditional persian pickled vegetables
Poster-177	Aasia Khaliq	Role of artificial neural networking and GIS in mapping of tuberculosis in Pakistan
Poster-178	Amina Ilahi	Isolation, characterization, and multiple heavy metal-resistant and hexavalent chromium-reducing <i>Microbacterium testaceum</i> B-HS2 from tannery effluent
Poster-179	Lubna Rasheed	A “turn-on” fluorescent probe for selective sensing permanganate in aqueous media
Poster-180	Shamsa Bibi	Diketopyrrolopyrrole based donor materials for organic photovoltaics
Poster-181	Rashid Mahmood	Soil urease inhibition potential of various plant extracts
Poster-182	Faisal Javeed	Effect of selected operational parameters of hybrid constructed wetland mesocosm on the pollutant removal efficiency in textile and sewage effluent
Poster-183	Fatima Rehman	Construction of bifunctional enzyme from <i>Thermotoga maritima</i> for saccharification of plant biomass
Poster-184	Hafiz Azhar Ali	Side effects of insecticidal usage in rice farming system on the non-target house fly <i>Musca domestica</i>
Poster-185	Hajira Younas	Study the effect of tannery solid waste derived biochar on the growth of <i>Helianthus annuus L</i>
Poster-186	Huda Barakullah	Biochemical and metabolic characterization of bacterial isolates from different soil samples of Saudi Arabia
Poster-187	Maira Saleem	First record of <i>Suilellus subamygdalinus</i> from Pakistan
Poster-188	Momal Akram	Phthalate-functionalized <i>Sorghum bicolor</i> L.; An effective biosorbent for the removal of alizarin red S and bromophenol blue dyes from simulated wastewater
Poster-189	Samra Tahir	Use of modified <i>Trifolium alexandrinum</i> for the detoxification of chromium (III) contaminated water

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Poster-190	Noor Mah Khan	Thyroid and its regulatory hormone variations in workers of automobile workshops and petrol filling stations
Poster-191	Sadia Naz	Environment sustainability via renewable resources
Poster-192	Saima Razzaq	Characterization of extracellular enzyme producing <i>Bacillus</i> sp. from marine and freshwater, Pakistan
Poster-193	Sajid Rashid Ahmad/Samina Bilal	Improvement of ambient air quality in the outskirts of Lahore by selection of optimal stack height for brick kilns
Poster-194	Abida Hassan/Sajid Rashid	Production of Lovastatin and its applications in food quality improvement
Poster-195	Sara Junaid	Cyanobacteria and microalgae-Role in the development of biofuels (Lipids)
Poster-196	Shoaib Ahmad	Soluble production, characterization and structural aesthetics of an industrially important thermostable beta glucosidase from <i>Clostridium thermocellum</i> in <i>E. coli</i>
Poster-197	Sobia Mushtaq	Biosorption potential of <i>Trichoderma</i> as a fungal assistant for the phytoextraction of heavy metals by <i>Helianthus annuus</i>
Poster-198	Sumaira Maqsood	Efficacy of NPV and pymetrozine alone and in combination against <i>Macrosiphum eduphorbiae</i> thomas under laboratory conditions
Poster-199	Sumaira Maqsood	A strategy for directly obtaining greater strength silk fiber from <i>Bombyx mori</i> silkworm by injection of ferric ions
Poster-200	Zeeshan Sharif	Alterations in serum renal profile of occupationally exposed workers to welding fumes
Poster-201	Ali Raza Khan	Switchable ion pairing of radical anion and dianion of nitroaromatics with alkali metal cations
Poster-202	Amina Yaseen	Synthesis of zinc oxide nanoparticles for the production of biodiesel from soybean oil
Poster-203	Asma Rashid Tariq	Synthesis and characterization of cerium based metal organic frame works
Poster-204	Huma Jamil	Biosynthesis of zinc oxide nanoparticles by reduction of zinc nitrate using <i>Nigella sativa</i> (kalonji) and their multi-functional applications
Poster-205	Iqra Farooq	Environmental friendly silver nanoparticles based materials for biomedical applications
Poster-206	Iqra Zaheer	Toxicity potential and risk evaluation of nanoparticles

Poster-207	Maria Kanwal	Development of smart pH-responsive hydrogels for targeted drug release system
Poster-208	Maria Nousheen	Development of heterocyclic grafted silica nanoparticles for adsorptive removal of azo dye from aqueous media
Poster-209	Momina Feroz	Fabrication and characterization of molecular imprinted polymer as sensing probe for 4-nitrophenol
Poster-210	Khalida Naseem	Silver nanoparticles endowed core/shell composite micro particles for catalytic degradation of toxic Congo red
Poster-211	Muhammad Idrees	Aspects regarding use of nanoparticles in poultry feed
Poster-212	Muhammad Umar Javed	Applications of array of nanoparticles in cardiovascular imaging
Poster-213	Nimra Shahzadi	Antimicrobial and anti-biofilm forming capability of biosynthesized silver nanoparticles
Poster-214	Rabia Mehmood	Preparation and characterization of piroxicam nanosponges based gel formulation
Poster-215	Sadia Ata	Photosensitization of TiO ₂ nanofibers by Ag ₂ S with the synergistic effect of excess surface Ti ³⁺ states for enhanced photocatalytic activity under simulated sunlight
Poster-216	Shabana Wagi	Green nanotechnology: Revolutionary impact on agriculture
Poster-217	Shaista Parveen	Synthesis and characterization of biodegradable and cytocompatible polyurethane bovine derived hydroxyapatite biomaterials
Poster-218	Tanzeela Ghulab Shahzady	Synthesis, characterization and hydrolytic degradation of p-cresol- substituted polyphosphazenes
Poster-219	Tean Zaheer	Deploying natural resources for control of arthropod disease vectors through bio-nanotechnology
Poster-220	Uzma Ramzan	Mode of action of nanoparticles against insects
Poster-221	Wafa Yousaf	Novel advantages of bacteria-based nanorobotics to fight with cancerous cells in body
Poster-222	Adnan Akhter	Basil and tomato companionship against soil-borne fungal wilt induced stress

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Poster-223	Aimen Izhar	<i>Volvopluteus earlei</i> (Murrill) Vizzini, Contu & Justo (Pluteaceae, agaricales), A new record from district Sheikhpura, Punjab, Pakistan.
Poster-224	Amna Shoaib	<i>Ochrobactrum ciceri</i> as biocontrol agent of charcoal rot pathogen
Poster-225	Aqsa Tariq	Growth promotional potential of multitrait indigenous PGPRS
Poster-226	Ateeq Tahir	Morphological and molecular characterization of <i>Fusarium thapsium</i> causing stall rot of maize
Poster-227	Bilal Saleh	Construction of recombinant pbi121 vector with <i>CDS-Brazzein</i> gene for the production of recombinant sweet protein: A molecular farming approach
Poster-228	Dalaq Aiysha	Multi-factorial effect of plant growth promoting bacteria isolated from on turnip growth
Poster-229	Mohsin Ahmad Khan	Towards: recombinant mosquito larvicidal green algae; sustainable biological agent for mosquito control
Poster-230	Muhammad Ashfaq	Genetic diversity study and characterization of bacteria causing grain discoloration disease in rice
Poster-231	Muhammad Ashfaq	Molecular screening of diverse rice germplasm lines by using blast-resistance SSR markers
Poster-232	Faiza Ahad	Molecular systematics of genus abutilon based on chloroplast DNA regions
Poster-233	Fasiha Qurashi	First report of <i>Pedilanthus leaf curl virus</i> and its associating alphasatellite infesting in <i>Trigonella foenum</i> from Pakistan
Poster-234	Hina Ashraf	Microwave assisted green synthesis and characterization of silver nanoparticles using <i>Melia azedarach</i> for the management of fusarium wilt in tomato
Poster-235	Hira Hashim	Biosurfactant: An ecofriendly natural preservative for the control of pathogenic growth and biofilm
Poster-236	Iqra Jamil	Determination of triacylglycerides from <i>in vitro</i> callus cultures of <i>Olea europea</i> (olive) Cv. Koroneiki
Poster-237	Khadija Rafiq	Expression analysis of salt responsive genes of salt stressed maize genotypes after <i>Staphylococcus sciuri</i> SAT-17 inoculation
Poster-238	Mahnoor Imran	Ectopic expression of Gbwrl complemented wril-3 mutant of <i>Arabidopsis thaliana</i>
Poster-239	Sabiha Habib	Multitrail PGPR as growth triggering agents

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Poster-240	Muhammad Bilal Chatha	Isolation and identification of <i>Penicillium ulaiense</i> causing whisker mold, A new post-harvest threat to apple in Pakistan
Poster-241	Muhammad Iqrar	Biodiversity of <i>Penicillium</i> isolates in Pakistan
Poster-242	Muhammad Nadeem Maqbool	<i>In vitro</i> micropropagation and media optimization of <i>Stevia rebaudiana</i> bertonii
Poster-243	Muhammad Riaz	Characterization of phytopathogenetic strains of <i>Pseudomonas</i> and <i>Purkholderia</i> and management by black seed oil
Poster-244	Sehrish Mushtaq	Characterization of plant growth promoting activities of bacterial endophytes and their antibacterial potential isolated from citrus
Poster-245	Muhammad Shafiq	Establishment of DNA barcoding system for identification of citrus flora of Pakistan
Poster-246	Muhammad Shafique	Chickpea chlorotic dwarf virus L strain isolated from cotton induced downward leaf curling leading to cupping in <i>N. benthamiana</i>
Poster-247	Humera Aslam Awan	Restore™ a multifunctional biofertilizer formulation, having consortium of plant growth promoting rhizobacteria
Poster-248	Muniba Abid	Control of <i>CPCDV</i> and its vector through CRISPR/Cas 9 based construct transformation in tomato
Poster-249	Nabeela Nawaz	Cadmium triggered morpho-physiological features of two lines of sunflower (<i>Helianthus annuus</i> L.)
Poster-250	Nadeem Shad	Effect of micronutrients (Zn, Mn) and biocontrol agent (<i>Trichoderma spp</i>) on the severity of fusarium wilt of tomato
Poster-251	Roma Akhtar	Bioactivity of London rocket weed against <i>Fusarium oxysporum</i> f. sp. Cepae
Poster-252	Saher Mehmood	Microbial community dynamics of phyllosphere and rhizosphere
Poster-253	Saman Riaz	Cloning and extracellular expression of <i>Allium sativum</i> leaf agglutinin recombinant protein in <i>E. coli</i>
Poster-254	Samreen Fatima	Screening and selection of fourteen F2 lines on physiological and morphological basis
Poster-255	Shahid Murtaza	Expression profiling of endotoxin cry proteins in CEMB-66 <i>Bt</i> transgenic variety at different locations in Punjab-Pakistan
Poster-256	Shazia Shafique	Defense response of <i>Eucalyptus camaldulensis</i> against black spot pathogen of <i>Pisum sativum</i>

Poster-257	Sibgha Noreen	Effect of bacterial inoculation on photosynthetic capacity, pigment concentration and mineral uptake of maize (<i>Zea mays</i>) under diesel stress
Poster-258	Sidra Javed	Effect of necrotrophic fungus <i>Macrophomina phaseolina</i> and PGPR on the stem and root histochemistry of <i>Vigna radiata</i>
Poster-259	Sobiya Shafique	Biochemical and molecular screening of varieties of chili plants that are resistant against fusarium wilt infection
Poster-260	Sundas Babar	Growth responses of <i>Phaseolus vulgaris L.</i> under different concentrations of zinc sulphate
Poster-261	Syeda Fakeha Naqvi	Antifungal constituents of N-butanol soluble fraction of leaf extract of nettle-leaf goosefoot weed
Poster-262	Uzma Bashir	Evaluation of the role of weed biomass along with PGPR in plant disease control
Poster-263	Waqas Wakil	Entomopathogens may retard the development and growth of <i>Helicoverpa armigera</i> (Hubner)
Poster-264	Zainab Akram	Determination of biological activities and GC-MS analysis of different cannabis seed extracts
Poster-265	Muhammad Tahir Akhtar	Preparation of some herbal emulsions with potential anti-oxidant and antibacterial activities
Poster-266	Hadia-e-Fatima	Molecular characterization of indigenous chromium tolerant PGPR
Poster-267	Fatima Muccee	Confirmation of toluene degradation through GC-MS and LC-MS analysis of metabolites in toluene metabolizing bacteria dwelling tannery effluents of Southern Punjab, Pakistan
Poster-268	Tayyaba Saleem	Polymorphism on GABRG2 gene susceptibility in epileptic patients of Pakistan
Poster-269	Zahra Rehman	Tackling the antibiotic resistance caused by MDR <i>E. coli</i> and MRSA through the use of medicinal plants; an <i>in silico</i> and <i>in vitro</i> approach
Poster-270	Saba Urooge Khan	Silica nanoparticle polyurethane membranes for reverse osmosis applications
Poster-271	Saba Urooge Khan	The development and optimization of high performance polymeric membranes for reverse osmosis

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Day 3 - Friday (November 08, 2019)		
Mounting of Posters: 08:00 – 08:45 (UGB Corridors)		
Evaluation: 10:30 – 11:00 (UGB)		
Poster No.	Presenter	Title
Poster-272	Waheed Anwar	Evaluation of fungal chitinase for control of <i>Aphis gossypii</i>
Poster-273	Sajid Fiaz	Generation of low glutelin protein rice through CRISPR/Cas9 targeted genome editing system
Poster-274	Muhammad Asim Javed	The wheat associated bacterial microbiome: Their diversity under long term conventional and conservational tillage practices in rice-wheat cropping system
Poster-275	Salah Uddin	Use of Bt and plant lectin genes to combat major sucking and chewing insects of cotton
Poster-276	Arshia Nazir	Study of antimicrobial activity and action mechanism of extracts of <i>Calliandra sp.</i> and <i>Cuphea sp</i> against <i>S. Aureus</i>
Poster-277	Ayesha Akram	Evaluation of microRNA-221 expression profile in chronic HCV infected patients treated with direct-acting antiviral agents
Poster-278	Ariba Farooq	Development of novel pH-responsive chitosan/collagen hydrogels for periodontal treatment
Poster-279	Fatima Ahsan	N-terminal stabilization of recombinant human interferon alpha has a role in its activity enhancement
Poster-280	Manzoor Hussain	Prevalence of Hepatitis B and C virus infections in young population of Punjab, Pakistan
Poster-281	Nadia Jabeen	Management of <i>Sclerotium rolfsii</i> by methanolic fruit extract of datura metal
Poster-282	Sajid Ali	Anti-bacterial potential of herbal polyphenols: A management strategy for drug resistant bacterial pathogens
Poster-283	Sundus Akhtar	Selenium doped zinc oxide nanoparticles as potent antifungal agent against <i>Macrophomina phaseolina</i>
Poster-284	Fizza Nazim	Neuroleptic drug targets a brain-eating amoeba: Effects of promethazine on neurotropic <i>Acanthamoeba castellanii</i>
Poster-285	Ghazala Rubi	Comparison of quantitative hepatitis B virus DNA real time PCR (RT-PCR) with reverse transcription PCR (rt-PCR)
Poster-286	Hina Tabassum	Molecular analysis of panton-valentine leukocidin (pvl) gene among MRSA and MSSA isolates
Poster-287	Iqra Haider Khan	Antifungal activity of different Quinoa varieties against root rot pathogen <i>Macrophomina phaseolina</i>

Poster-288	Iram Liaqat	Biofilm formation of <i>Bacillus cereus</i> and <i>Yersinia enterocolitica</i> is affected by flagellar motility
Poster-289	Irsa Zafar	<i>Alternaria burnsii</i> , the causal agent of leaf blight on <i>Taraxacum officinale</i>
Poster-290	Khajista Jabeen	Antifungal activity of <i>Medicago sativa</i> L. against <i>Rhizoctonia solani</i> kuhn.
Poster-291	Muhammad Waqas Atta	Comparative efficacy of fungicides, plant extracts and biological agents against <i>Fusarium oxysporum</i>
Poster-292	Malka M Samra	Modulative effect of a new hydrazide derivative on wheat-induced pulmonary inflammation in rats
Poster-293	Maria Riaz	First report of <i>Erysiphe urticae</i> on <i>Urtica dioica</i> (stinging nettle) from Pakistan
Poster-294	Mohsina Akhter	Construction of fusion protein from <i>Rv1984c</i> , <i>Rv1352</i> and AgX to enhance sensitivity of antibody based <i>Mtb</i> detection
Poster-295	Urooba Fatima	Analyses of genetic variation in the gene of non-translated transcript: relationship with oral squamous cell carcinoma (OSCC)
Poster-296	Muhammad Faisal	Characterization of NS1 protein of dengue virus for vaccine development
Poster-297	Muhammad Farooq	Comparison of fungal sensitization in school children with asthma in presence of different allergenic fungal spores
Poster-298	Muhammad Numan	Molecular characterization of hepatitis C genotypes in pediatric patients
Poster-299	Nireeta Yousaf	Assessment of human TOL like receptor 2 and 4 polymorphism on susceptibility and severity of pulmonary tuberculosis
Poster-300	Qurratulain Amin	Phylogenetic analysis of merkel cell polyomavirus and investigation of its coinfection in HCV/HBV positive patients
Poster-301	Rabia Aleem	Serodiagnosis of extra pulmonary tuberculosis through multiplex microbead immunoassay
Poster-302	Rehman Shehzad	Phylogenetic and mutational analysis of neuraminidase of avian influenza A(H9N2) virus isolated from commercial poultry of Pakistan
Poster-303	Rohma Anwer	Larvicidal activity of microalgae & cyanobacteria against <i>Aedes aegypti</i>
Poster-304	Ruqayya Khalid	Fusion of <i>HSPX</i> with other antigens of <i>M. tuberculosis</i> improves diagnostic accuracy
Poster-305	Saba Riaz	Distribution of BlaOXA, BlaSHV, and BlaTEM type extended-spectrum beta lactamase genes in multidrug resistant gram negative isolates from burn patients
Poster-306	Sadaf Sulman	Assessment of T-cell responses of novel fusion proteins in <i>Mycobacterium tuberculosis</i> -infected and vaccinated mice
Poster-307	Saghir Ahmad	Improved limit of detection and quantitation development and validation procedure for quantification of zinc in insulin by atomic absorption spectrometry

Poster-308	Sahib Gul Afridi	Allelic polymorphism of <i>MSP-1</i> , <i>MSP-2</i> and <i>GLURP</i> genes in <i>Plasmodium falciparum</i> isolates from Mardan
Poster-309	Sana Shabbir Malik	<i>In silico</i> assessment of phytochemicals as dengue virus E protein inhibitors
Poster-310	Shaista Arif	Construction of recombinant fusion proteins of <i>Mycobacterium tuberculosis</i> for enhancing sensitivity of TB serodiagnosis
Poster-311	Somayya Tariq	Anti-HCV NS5A potential of <i>Jesmenium mesnyi</i> L. through nuclear factor kB (NF-kB) pathway regulation
Poster-312	Sonia Falak Sher	Incidence rate of <i>Plasmodium vivax</i> and <i>Plasmodium falciparum</i> in Kasur Pakistan
Poster-313	Sumera Rais	Antioxidant and hepatoprotective effect of <i>Centratherum anthelminticum</i> seeds against the carbon tetrachloride-induced hepatotoxicity in albino rats
Poster-314	Tehniyat Zafar	Prevalence of various bacteria in urinary tract infections and their antimicrobial sensitivity
Poster-315	Ayesha Kanwal	Biochemical and molecular characterization of <i>Pasteurella multocida</i> field isolates (from cases of <i>Haemorrhagic septicaemia</i>) and the vaccinal strain used at Veterinary Research Institute, Lahore-Pakistan
Poster-316	Abida Latif	Phytochemical and antioxidant study on root powder of <i>Daucus carota</i> -L (black carrot)
Poster-317	Anam Yasmeen	Phytochemical, analytical studies and biological activities of extracts of peel of <i>Solanum tuberosum</i> L
Poster-318	Aneeqa Ghafoor	Molecular phylogenetic analysis, cultivation and pharmaceutical potential of the edible mushroom of Pakistan
Poster-319	Aqsa Amir	Chemical constituents and antimicrobial activity of coleus oil
Poster-320	Aqsa Fayyaz	GC-MS analysis of methanol extract of <i>Alcea setosa</i> flower
Poster-321	Atiqa Wajid	Development of DNA barcode derived SCAR markers for identification of <i>Carica papaya</i> seed; common adulterant of spice <i>Piper nigrum</i>
Poster-322	Atta Rasool	Biopolymer (carrageenan) and synthetic polymer based pH responsive hydrogels for wound healing application
Poster-323	Bushra Saleem	Investigations of <i>Acacia modesta</i> wall leaves for <i>in vitro</i> anti-diabetic, proliferative and cytotoxic effects
Poster-324	Chaman Ara	Hepatoprotective and nephroprotective effects of turmeric against subchronic toxicity induced by parabin in mammals
Poster-325	Fozia Anjum	GC-MS analysis of bioactive components extracted from camel urine
Poster-326	Faria Qayyum	Preliminary studies, analytical profiling and biological activity of fruit extracts of <i>Viburnum opulus</i> L
Poster-327	Fariha Imtiaz	<i>Tigonella foenum-graecum</i> ; cure for baldness and cancer

Poster-328	Fatima Izhar	Chemistry of <i>Sorbaria tomentosa</i> extract- A rich source of natural antioxidants
Poster-329	Hira Yousaf	Avocado (<i>Ceylon blue</i>) seed extract exhibiting nutritional and medicinal attributes
Poster-330	Imam Ansari	Study of antimicrobial activity of <i>Nigella sativa</i> leaves
Poster-331	Javeria	Phytochemical and analytical studies and biological activities of extract of shell of <i>Juglans regia L.</i>
Poster-332	Jawaria Iltaf	Hair growth potential of selected phyto-extracts through <i>In vitro</i> and <i>In vivo</i> studies
Poster-333	Kashmala Shahid	Physicochemical investigation, analytical studies and comparative biological activities of extracts of seeds and seed coats of <i>Phyllanthus emblica L.</i>
Poster-334	Marium Iftikhar	Biotransformation of abietic acid by <i>Aspergillus niger</i>
Poster-335	Maryam Asghar	Antidiabetic potential of <i>Onosma hispidum</i>
Poster-336	Maryam Yousaf	Corn silk: An inexpensive precursor for stabilization of sunflower oil
Poster-337	Mazhar Abbas	Process development for efficient extraction of bioactive compounds from bottle gourd using green techniques
Poster-338	Misbah Hussain	Efficient extraction of capsaicin from <i>Capsicum annum</i> using deep eutectic solvents and green techniques
Poster-339	Iqra Mushtaq	The effect of bisphenol A on expression of some myocardial heat shock proteins and metal content in male wistar rats
Poster-340	Koloko Brice Landry	Comparative effect of crude extract and different fractions of <i>Dracaena marginata</i> on the inhibition of various HCV genotype 1a proteins
Poster-341	Muhammad Ammar	<i>In situ</i> zeolitic imidazolate framework (ZIF-67) nanocrystal encaged heteropolyacid: An efficient catalyst for Friedel-Crafts Acylation
Poster-342	Muhammad Khalid	Phenolic content based therapeutic potential of <i>Syzygium cumini</i> leaves extract
Poster-343	Naveed Hussain	Combined therapy of methanolic extracts of <i>Zingiber officinale</i> and <i>Curcuma longa</i> may cure non-alcoholic fatty liver disease in diabetic dys- lipidemic albino rats
Poster-344	Quratulain Abid	Immunomodulatory activity of meloxicam in mice model
Poster-345	Sadia Ishaq	Isolation, derivatization and characterization of various products derived through menthol extracted from <i>Mentha arvensis</i>
Poster-346	Saman Javed	Cholesterol reduction potential and BSH activity of <i>Lactobacillus spp.</i>
Poster-347	Shabnam Javed	Antibacterial potential of lemon grass essential oil

Poster-348	Shabnam Rehmat	<i>In vitro</i> study of novel biopolymer based hydrogel for drug release
Poster-349	Sohaib Afzaal	Effects of fermentation and sterilization on phytic acid contents in wheat bran and sensory evaluation of bread baked with pre-fermented and pre-sterilized bran
Poster-350	Syed Farhat Ali	Screening the antimicrobial potential of bacterial isolates from dairy products
Poster-351	Syeda Sania Mehmood	Secondary metabolites of cyanobacteria: Inducing antibacterial activity with bacterial cultivation
Poster-352	Taimia Mujahid	Isolation of potential antimicrobial peptides from edible plants against food spoiling bacteria
Poster-353	Zahida Qadir	Camel milk cheese production from buffalo milk and culture addition, its chemical and sensory properties during storage
Poster-354	Zahida Qadir	Characterization and evaluation of yogurt prepared from camel milk mixing with buffalo milk using mesophilic and thermophilic cultures
Poster-355	Zohaib Rafay	Analytical and biological evolution of <i>Allium sativum</i> (garlic)
Poster-356	Zoy E Noor	Efficient extraction of saponins from <i>Tribulus terrestris</i> using deep eutectic solvents and green techniques
Poster-357	Zulfiqar Ali	Synthesis and antimicrobial of copper (II) complex with ethyl-5-hydroxy-2-oxo-2H-chromene-3-carboxylate: X-ray analysis of [Cu(C ₁₂ H ₉ O ₅) ₂ H ₂ O]
Poster-358	Misbah Arshad	Exogenous application of different fertilizers on the growth and yield of different varieties of <i>Zea mays</i>
Poster-359	Adnan Akhter	Evaluation of biocontrol potential of rhizosphere associated bacterial endophytes against sheath blight (<i>Rhizoctonia solani</i>) and bakanae disease (<i>Fusarium moniliforme</i>) of rice
Poster-360	Muhammad Usman	Proteomics-based identification of putative serum biomarkers in oral squamous cell carcinoma
Poster-361	Mussarat Rafiq	Short-term exposure to titanium, aluminum and niobium (Ti-6Al-4Nb) alloy powder can disturb the serum low-density lipoprotein concentrations and antioxidant profile in vital organs but not the behavior of male albino mice
Poster-362	Nazish Sajjad	Production of 1,4-β-D glucanase from bacterial co-culture using solid state fermentation
Poster-363	Nazish Saleem	Effect of vitamin D supplementation on body weight and fat distribution in obese women: A pilot study
Poster-364	Nouroze Gul	Preparation, characterization and evaluation of <i>in-vivo</i> stability of ^{99m} Tc labelled magnetic iron oxide nanoparticles with various surface coatings
Poster-365	Oswa Amjad	Investigation of risk of cardiovascular diseases in diabetes patients using Framingham risk score calculator: A cross sectional study conducted in Lahore

Poster-366	Qurrat ul Ain	Production of extracellular protease from bacterial co-culture using solid state fermentaion
Poster-367	Roohi Ijaz	Molecular identification of <i>Trogoderma granarium</i> on the basis of 16S mitochondrial DNA
Poster-368	Saeeda Tariq	Effects of fipronil in developing chicks; morphological, morphometric and histopathological analyses
Poster-369	Sidra Abbas	Dose dependent nuclear abnormalities in <i>Oreochromis niloticus</i> exposed to Pb-Cd mixture
ster-370	Salik Nawaz Khan	Maiz germplasm resistance evaluation against cercospora <i>Zea maydis</i> under controlled conditions
Poster-371	Sana Batool	Expression and characterization of bifunctional construct tCel5A1-bglA
Poster-372	Sana Ijaz	Lyophilized starch: A promising excipient to control physico-chemical and mechanical properties of tablets
Poster-373	Sana Khalid	<i>In silico</i> recombination diversity and mutation analysis of monocot and dicot infecting mastereviruses
Poster-374	Sana Samson	Optimization of conditions for <i>in vitro</i> refolding of recombinant buffalo prochymosin
Poster-375	Sara Shakeel	Relationship of urease activity with physical and chemical attributes of alkaline calcerous soils
Poster-376	Shazeel Ahmad	Structure of DNA polymerase from <i>Pyrobaculum calidifontis</i> and construction of its mutants for improved characteristics
Poster-377	Sheikh Asrar Ahmad	Determination of heavy metal contaminants in leafy vegetables cultivated and marketed in district Jhung, Pakistan
Poster-378	Sidra Nazir	Detection of mercury contamination in fish by fluorescent method
Poster-379	Sohaib Imtiaz	Micro and molecular analysis of urinary tract infection in diabetic patients
Poster-380	Sultana Rehman	Optical, electrochemical and DFT studies of some organic dyes
Poster-381	Tanveer Hussain Bokhari	Radiolabelling and bio distribution of LU-EHDP for bone pain palliation
Poster-382	Waqas Younis	<i>Crataegus songarica</i> causes endothelium dependent relaxation via a redox sensitive <i>Src</i> and <i>Akt</i> dependent activation of endothelial NO synthase mediated by estrogen receptor
Poster-383	Razia Tajwar	Impact of orientation of carbohydrate binding modules family 22 and 6 on the catalytic activity of <i>Thermotoga maritima</i> xylanase XynB
Poster-384	Amara Dar	ZNO-cellulose nanocomposites synthesis and applications

Poster-385	Saba Saeed	Application of response surface methodology to optimize amylase production using agro-waste
Poster-386	Faeza Masood	Production of laccase by immobilized white rot fungi and its application for the decolorization of textile effluent dyes
Poster-387	Faiza Iqbal	Termiticidal and protozoacidal effect of different plant extracts on subterranean termite <i>Heterotermes indicola</i>
Poster-388	Farwa Ghafoor	Local production and application of thermostable amylases in textile desizing
Poster-389	Freeda Tasneem	Enhanced cadmium binding ability in response to novel modifications in <i>paramecium</i> cadmium metelothionein <i>PMCD1</i>
Poster-390	Ifra Sohail	Study of selenite reduction potential of indigenous bacterial strains
Poster-391	Iqra Ghulam Rasul	Evaluation of locally produced thermostable amylases as detergent additives
Poster-392	Itrat Zahra	Identification of a ciliate (<i>Paramecium sp</i>) on the basis of histone H4 biomarker and their tolerance to different heavy metals
Poster-393	Laiba	Bioremediation of hydrocarbon contaminated soil by <i>Micrococcus sp</i>
Poster-394	Fareeha Jabeen	Assessment of green synthesized zinc nanoparticles as nano fertilizers for production of <i>Brassica rapa L.</i>
Poster-395	Muhammad Amir Razzaq	Removal of industrial effluents by plantago-ovata seeds
Poster-396	Noor E Saba	Study of integrons in multiple antibiotics and heavy metal resistant epiphytic bacteria
Poster-397	Saba Ameen	Removal of Cr(III) from tannery wastewater by using <i>PACI</i> and unmodified rice starch as coagulant flocculants
Poster-398	Saba Amreen	Impact of municipal drains on quality of life of surrounding communities
Poster-399	Saima Javed	Isolation and characterization of biosurfactant producing bacteria and their potential role in oil biodegradation
Poster-400	Shafiq-ur-Rehman	Azo dyes as efficient photoisomers
Poster-401	Shahid Sher	Phenotypic and genomic analysis of multiple heavy metal resistant <i>Micrococcus luteus</i> strain AS2 isolated from industrial waste water and its potential use in arsenic bioremediation
Poster-402	Syed Husnain Ali Asghar	Bioremedial property of <i>Moringa oleifera</i> seed to treat contaminated water
Poster-403	Umaima Rabbani	Development of water filter using locally sourced materials for treatment of waste water from laundry
Poster-404	Zahra Asghar	Isolation of pesticides degrading fungus from industrial waste

Poster-405	Zain ul Abadin	Bacterial selenium biofortification: A strategy to improve selenium content of crops
Poster-406	Zoufishan Latif	Production of glucose syrup from wasted cereal products
Poster-407	Samia Falak	<i>Escherichia coli</i> signal peptidase recognizes and cleaves archaeal signal sequence
Poster-408	Sumbal Sarwar	Prevalence of variable number of tandem repeats (VNTR) of criminal gene monoamine oxidase A (MAO-A) in Pakistani population
Poster-409	Zumra Fatima	Molecular characterization of Pcal_0762, A transcriptional regulator homologue from <i>Pyrobaculum calidifontis</i>
Poster-410	Syeda Aaliya Shehzadi	One pot four component synthesis of thiazolidin-2-imine using Cu/Zn
Poster-411	Fazeelah Munir	Detection of lard contamination in vegetable oils by FT-IR spectroscopy and PLS chemometric model
Poster-412	Nida Siddique	Conversion of acid oil into biodiesel by transesterification