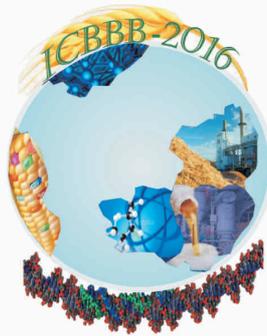




INTERNATIONAL CONFERENCE OF BIOCHEMISTRY, BIOTECHNOLOGY and BIOMATERIALS (ICBBB-2016) February 22-24, 2016



CONFERENCE PROGRAM



**Biochemistry for better food, health and
environment in the developing world**



Organized by:

**Department of Biochemistry
University of Agriculture Faisalabad-Pakistan**

15:50-16:20	KEYNOTE LECTURE 2: <i>Chenopodium quinoa</i>: A High Nutritional and Medicinal Value Climate Proof New Grain Crop in Pakistan. <i>Dr. Shahzad Ahmad Basra</i> Department of Agronomy, University of Agriculture, Faisalabad
16:20-16:35	In Vitro Bioactivities and Sub-Acute Toxicity Profiling of Three Medicinal Plants of Family Lamiaceae <i>Touseef Rehan¹, Hanif Ullah¹, Riffat Tahira² Usman Tareen¹, Tabassum Rehan³, Muhammad Naeemullah², Mariam Anees¹, and Aneesa Sultan*¹</i> ¹ Department of Biochemistry, Quaid-i-Azam University Islamabad
16:35-16:50	Analysis of Neonatal Jaundice and Assessment of Interventional Outcomes of Phototherapy in Patients of Neonatal Intensive Care Unit, PIMS, Islamabad <i>Sajid Aziz,¹ Muhammad Shoaib*², Atika Umer³, M. Javaid Asad⁴, Mudassir Zafar⁵</i> ¹ Department of Microbiology, Abasyn University, Peshawar
16:50-17:05	Effects of <i>Carissa Opaca</i> Fruit Extract on Arsenic Induced Testicular Damage in Rats <i>Muhammad Umar Ijaz*¹, Muhammad Sakandar Majid, Mughees Aizaz Alvi</i> ¹ Department of Zoology, University of Agriculture, Faisalabad
17:05-17:20	Evaluation of antioxidant effects and inhibitory activity of medicinal plants against lipid peroxidation induced by iron and sodium nitroprusside in mice brain <i>¹M. Akram, Saif Ur Rehman*, Asma Saeed, Asif Latif</i> ¹ Department of Eastern Medicine and Surgery, Faculty of Medical and Health Sciences, University of Poonch, Rawalakot, Azad Kashmir

TRACK 2: Molecular Biology, Genetic Engineering and Bioinformatics-I
(Video Conference Room 2, Horticulture Landscape Studio)

SESSION-I	Chair: Prof. Dr. Masood Akhter, Bahauddin Zakariya University Multan Co-Chair: Dr. Imran Amin, NIBGE Faisalabad
Time	Speakers
14:00-14:30	KEYNOTE LECTURE 1 Genome editing with CRISPR-Cas and its applications <i>Dr. Shahid Mansoor</i> National Institute for Genetic Engineering and Biotechnology, Faisalabad.
14:30-14:45	CRISPR/Cas9 Based Site Specific Disruption of <i>PDS</i> Gene in <i>Nicotiana benthamiana</i> Using Transient Gene Expression <i>Muhammad Salman Mubarik, Sultan Habibullah Khan, Zulqurnain Khan, Iqar Ahmed Khan and Aftab Ahmad</i> Centre of Agricultural Biochemistry & Biotechnology (CABB), University of Agriculture Faisalabad
14:45-15:00	Construction, Overexpression and Purification of Novel Thymosin α 1 Fusion Protein for Targeted Cancer Therapy <i>Muhammad Shahbaz Aslam, Arifa Arshad, Iram Gull & Zaigham Abbas, Muhammad Amin Athar</i> Institute of Biochemistry & Biotechnology, University of the Punjab Lahore
15:00-15:15	Evaluation of forensic efficiency parameters of Short tandem repeat (STR) DNA markers in Saraiki population of Pakistan <i>Aeman Jilani, Tehseen Fatima, Muhammad Imran Mahmood Khan, Asif Nadeem and Muhammad Ashraf Tahir,</i> DNA and Serology Department, Punjab Forensic Science Agency, Lahore
15:15-15:30	Meta-analysis of miRNAs to identify biomarkers for oral Cancers <i>Andleeb Zahra, Burak Erman, M Qaiser Fatmi</i> COMSATS Institute of Information Technology, Islamabad. KOC University, Rumelifeneri, Istanbul, Turkey
15:30-15:50	TEA BREAK
SESSION-II	Chair: Prof. Dr. Muhammad Ashraf, Punjab Medical College, Faisalabad Co-Chair: Dr. Fazal-e-Rabbi Awan, NIBGE Faisalabad
15:50-16:20	KEYNOTE LECTURE 2 INFOMIC-Based Search for Disease Biomarkers <i>Dr. Faiz-ul-Hassan Nasim</i> The Islamia University of Bahawalpur, Bahawalpur
16:20-16:35	Investigation of the Neuroprotective Role of <i>Syzygium aromaticum</i> Extract on $AlCl_3$ Induced Oxidative Stress in Mice Brain <i>Sanila Amber, Syed Adnan Ali Shah, Touqeer Ahmed, Saadia Zahid</i> Neurobiology Research Laboratory, Department of Healthcare Biotechnology, Atta-ur-Rahman School of Applied Biosciences, National University of Sciences and Technology, Islamabad

16:35-16:50	Molecular Screening of Buffalo Mycoplasmosis in Karachi, Pakistan <i>Syed Khurram Fareed, Faiz Muhammad, Taseer Ahmed Khan, Shakeel Ahmad Khan and Aqeel Ahmad</i> Department of Microbiology, University of Karachi, Karachi
16:50-17:05	Investigation of genetic control of acetylation, methylation, phosphorylation and O-glycosylation <i>Afshan Kaleem, Samra Irshad, Anam Razzaq, Roheena Abdullah, Mehwish Iqtedar, Tehreema Iftikhar and Shagufta Naz</i> Department of Biotechnology, Lahore College for Women University, Lahore
17:05-17:20	Molecular Studies on Preproinsulin gene <i>Sarah Sabir and Hooria Younus</i> Kinnaird College for Women, Lahore

TRACK 3: Industrial Biotechnology/Biomaterials and Biocomposites
(Video Conference Room 3, New Senate Hall)

SESSION-I	Chair: Dr. Muhammad Ibrahim Rajoka, GC University Faisalabad Co-Chair: Dr. Muhammad Irshad, University of Gujrat
Time	Speakers
14:00-14:30	KEYNOTE LECTURE 1 Bio-based Products and Materials from Renewable Resources <i>Dr. Aman Ullah</i> Department of Agricultural, Food and Nutritional Science, University of Alberta, Canada
14:30-14:45	Kinetic and Thermodynamic Properties of L-asparaginase Produced and Purified from <i>Aspergillus niger</i> in SSF. <i>Qasim Shehzad^{1*}, Sadia Javed¹, M. Ibrahim Rajoka² and Munazzah Meraj³</i> ¹ Department of Applied Chemistry and Biochemistry, Government College University, Faisalabad, Pakistan
14:45-15:10	Isolation, Identification and Molecular Characterization of Brown Rot Fungi <i>Anum Hanif¹, M. Javaid Asad¹, M. Gulfranz³, M. Sajid Nadeem², Saqib Hussain Hadri¹ and Raja Tahir Mahmood^{1,4*}</i> ¹ Department of Biochemistry, PMAS- Arid Agriculture University, Rawalpindi; ⁴ Department of Biotechnology, Mirpur University of Science and Technology, Mirpur, Azad Kashmir.
15:15-15:30	Augmented Bioethanol Production from <i>Saccharum Spontaneum</i> through Enhanced Nutrient Supplementation Using Both Wild And Mutant <i>Saccharomyces Cerevisiae</i> Strains <i>Mehwish Iqtedar^{1*}, Sadia Khokar¹, Mohammad Nadeem², Komal Aftab¹, Roheena Abdullah¹, Afshan Kaleem¹, Tehreema Iftikhar³, Shagufta Naz¹, Qurat Ul Ain Syed²</i> ¹ Department of Biotechnology, Lahore College for Women University, Lahore, Pakistan
15:30-15:50	TEA BREAK
SESSION- II	Chair: Dr. Muhammad Javaid Asad PMAS-University of Arid Agriculture, Rawalpindi Co-Chair: Dr. Zahid Anwar, University of Gujrat
15:50-16:20	KEYNOTE LECTURE 2 Production, and characterization of cellulases from a <i>Thermophilic Bacillus</i> strain 60-4 <i>Muhammad Ibrahim Rajoka^{1,2*}, Romana Tabassum¹, Fatima Jalal^{1,2}</i> ¹ National Institute for Biotechnology & Genetic Engineering, Faisalabad. ² Government College University Faisalabad, Faisalabad
16:20-16:35	Production of Bioplastic using Banana Peel and its Characterization <i>Hafsa Naeem^{1*}, Muhammad Asgher¹ and Haq Nawaz Bhatti²</i> ¹ Department of Biochemistry, University of Agriculture, Faisalabad, Pakistan
16:35-16:50	Optimization of Critical Medium Components using Response Surface Methodology for Alkaline Protease Production by Novel strain of <i>Bacillus Fouzia Hussain¹, Shagufta Kamal^{1*}, Shumaila Kiran¹, Tanvir Ahmed², Mohsina Hamid³</i> ¹ Department of Applied Chemistry & Biochemistry, Government College University, Faisalabad, Pakistan
16:50-17:05	Optimization of Biodegradation Process for Disperse Textile Dyes using Brown Rot Fungi <i>Sidra Batoool Malik^{1*}, M. Javaid Asad¹, Raja Tahir Mahmood^{1,3}, Feroza Hamid Wattoo¹, Shamim Akhtar² and Saqib Hussain Hadri¹</i> ¹ Department of Biochemistry, ² Department of zoology, PMAS-Arid Agriculture University, Rawalpindi

TRACK 4: Food, Nutritional and Health Biochemistry
(Video Conference Room 4, Old Senate Hall)

SESSION-I	Chair: Dr Nusrat N. Memon, University of Sindh, Jamshoro Co-Chair: Dr Tahir Mehmood, University of Sargodha, Sargodha
Time	Speakers
14:00-14:30	KEYNOTE LECTURE-I Novel Aptamer Coupled Fluorescent Nanoparticle Assay for Multiplexed Food Pathogen Detection <i>Babar Hussain¹, Hasan Kurt¹, Hikmet Budak^{1, 2}, Meral Yuce^{2*1}</i> Sabanci University, Faculty of Engineering and Natural Sciences, 34956, Tuzla, Turkey
14:30-14:45	The Associations between Serum Resistin and 25 – hydroxyvitamin D Levels in Saudi Diabetic Patients. <i>Muaawia Ahmed Hamza¹; Ahmed EL Tahir^{1*}; Abdulaziz F. AL – Kaabbab²; Abdullah A. Saeed¹; Abdulshakur Abdalla¹; May F. AlMohareb¹; Hana S. Alfaleh¹ and Gwiria M. H. Satti^{1,3}</i> ¹ Faculty of Medicine, King Fahad Medical City, King Saud bin Abdulaziz university for health sciences, Kingdom of Saudi Arabia.
14:45-15:00	Irradiation As A Quarantine Treatment To Prevent Post Harvest Spoilage Of <i>Daucus Carota</i> <i>*Roheena Abdullah¹, Sadia Iftikhar,¹ Afshan Kaleem¹ Mehwish Iqtedar¹, Tehreema Iftikhar² and Shagufta Naz¹</i> ¹ Department of Biotechnology Lahore College for women university, Lahore, Pakistan
15:00-15:15	Purification, biochemical characterization and homology modeling of Antifungal protein from seeds of <i>Caesalpinia bonducella</i>. <i>Hidayatullah Khan^{*1-2}, Sanaullah Khan², Friedrich Buck³, Nawshad Muhammad¹</i> ¹ Department of Chemistry University of Science and Technology Bannu (28100), KPK, Pakistan. ² Department of Bioscience, COMSATS Institute of Information Technology Islamabad, Pakistan
15:15-15:30	Gamma irradiation of sheep meat: taking food safety to next level. Faiza Saleem*, Noshaba Rani, Shagufta Naz Department of Biotechnology, Lahore College for Women University, Lahore
15:30-15:50	TEA BREAK
SESSION-II	Chair: Dr. Shan Elahi, Centre for Nuclear Medicine (CENUM), Lahore Co-Chair: Dr. Muaawia Ahmed Hamza, King Saud bin Abdulaziz university for health sciences, Kingdom of Saudi Arabia
15:50-16:20	KEYNOTE LECTURE 2 Mineral content of Pakistani foods: an update of food composition database of Pakistan through indirect method <i>Sanam Iram Soomro, *Najma Memon, Shahabuddin Memon, Ayaz A. Memon</i> National Centre of Excellence in Analytical Chemistry, University of Sindh, Jamshoro
16:20-16:35	Association of Single Nucleotide Polymorphism of Interleukin 6 Receptor Gene With Rheumatoid Arthritis in Patients from Pakistan. <i>Shoaib Ahmed¹, Ali Ammar², Shabbir Hussain¹, Shah Jahan³, Shagufta Khaliq², Haiba Kaul¹</i> ¹ Department of Biochemistry, University of Health Sciences, Lahore
16:35-16:50	Assessment of Major Foliar Blight Associated with Maize Crop from Bhimber Azad Kashmir. <i>Tanveer Hussain*, Muhammad Ishtiaq*, Shahzad Azam, Haroon Mehmood.</i> Department of Botany, Mirpur University of Science & Technology Bhimber Campus, Bhimber Azad Kashmir
16:50-17:05	Antioxidant Attributes, Phenolics Acids Composition And Biological Activity Of Extracts From Japanese Persimmon (<i>Diospyros Kaki</i>) As Effected By Organic Solvents And Drying Technique <i>Faiza Siddique¹, Tahir Mehmood^{1*}, Shoaib Ahmad Malik², Qudsia Tabassam¹, Aftab Safdar Khan¹, Abdul Karim¹ and Muhammad A. Shaheen¹</i> ¹ Department of Chemistry, University of Sargodha, Sargodha-40100, Pakistan
17:05-17:20	Application of metabolomics in characterizing the milk <i>Fozia Saleem¹, Seyed Ali Goldansaz^{2,4}, Rupasri Mandal², An Chi Guo², Edison Dong², Burim N.Ametaj⁴ and David S. Wishart^{2,3}</i> Centre of Agricultural Biochemistry and Biotechnology (CABB), University of Agriculture, Faisalabad

TRACK 5: Bioanalytical, Biophysical, Bioorganic and Environmental Chemistry-I
(Video Conference Room 5, Soil and Environmental Sciences)

SESSION-I	Chair: Dr. S. T. H. Sherazi , University of Sindh, Jamshoro Co-Chair: Dr. Tajnees Pirzada, University of Sindh, Jamshoro
Time	Speakers
14:00-14:30	KEYNOTE LECTURE 1 Tuning the Size and Surface Chemistry of Metal Nanoparticles/ Nanoclusters for Biomedical and Energy Applications <i>Irshad Hussain</i> University of Management Sciences (LUMS), Lahore
14:30-14:45	Application of Natural and Charred Orange Peel for the Immobilization of Arsenic (v) from Aqueous Solutions. <i>Muhammad Abid¹*, Nabeel Khan Niazi^{1,2} Irshad Bibi^{1,2} Gulam Murtaza¹, Muhammad Bilal Shakoor¹, Mahwish Mahmood¹, Syed Nabeel Husnain³ and Yong Sik Ok⁴</i> ¹ Institute of Soil and Environmental Sciences, University of Agriculture Faisalabad
14:45-15:00	Adsorption of Synthetic Dye from Wastewater Using Biopolymers <i>Saima Noreen* and Haq Nawaz Bhatti</i> Department of Chemistry, University of Agriculture, Faisalabad
15:00-15:15	Comparative Antimicrobial and Antibiofilm Activity of Fresh Rose Petals and their Waste <i>Memona Sahar¹*, Nazish Jahan¹ and. Khalil-ur-Rahman²</i> Department of Chemistry University of Agriculture, Faisalabad
15:15-15:30	Kinetic and Thermal Characterization of Lipase Isolated from <i>Penicillium chrysogenum</i> <i>Haq Nawaz Bhatti* and Saima Rehman</i> Department of Chemistry, University of Agriculture, Faisalabad
15:30-15:50	TEA BREAK
SESSION-II	Chair: Dr Irshad Hussain, LUMS, Lahore Co-Chair: Dr Nasir Rasool, GC University Faisalabad
15:50-16:20	KEYNOTE LECTURE 2 Spectroscopic and chromatographic evaluation of the wax ester fraction of <i>Adenantha pavonina</i> Oil <i>S. T. H. Sherazi*</i> National Center of Excellence in Analytical Chemistry University of Sindh, Jamshoro
16:20-16:35	Anti-Hyperglycemic Evaluation of N-Cyanomethyl-1,2-Benzothiazine and its Derivatives <i>Mehwish Ashraf* and Taleeha Roheen</i> Department of Chemistry, University of Sargodha
16:35-16:50	Removal of Congo red dye from industrial wastewater using composites <i>Amna Kamal, Haq Nawaz Bhatti and Saima Noreen</i> Environmental Chemistry Laboratory, Department of Chemistry, University of Agriculture, Faisalabad
16:50-17:05	Spectroscopic and Theoretical Studies of Interactions between 4-Acetamidophenol and DNA <i>Aqsa Habib* and Haq Nawaz Bhatti</i> Environmental Chemistry Laboratory, Department of Chemistry, University of Agriculture, Faisalabad

17:15-18:00 COMBINED PLENARY SESSION –II (Venue: Iqbal Auditorium)

Chair:	Dr. Tanweer Ahmad Lincoln Hospital, UK
Co-Chair:	Dr. Shan Elahi CENUM, Lahore, Pakistan
Prof. Mark Slevin:	Manchester Metropolitan University, UK
Title:	<i>Drug-loaded stem cells- a novel cancer/brain therapeutic?</i>

19:00

DINNER

Venue: University D-ground

20:00-23:00

CULTURAL SHOW

Venue: Iqbal Auditorium

TUESDAY, FEBRUARY 23, 2016**9.00-10.30 COMBINED PLENARY SESSION 3 Venue: Iqbal Auditorium**

Chair:	Prof. Dr. Khalid M. Khan	University of Agriculture, Faisalabad, Pakistan
Co-Chair:	Mr. Tariq Aziz	NARC, Islamabad, Pakistan
09:00-09:45	PLENARY LECTURE-IV	
Dr. Wolfgang Baltus:	Advisor for Biorefinery Concepts at PRECISE Corp, Bangkok, Thailand Former Senior Advisor to National Innovation Agency Bangkok, Thailand	
Title:	Biorefineries in Asia – New Developments in Challenging Times	
09:45-10:30	PLENARY LECTURE-V	
Prof. Muhammad Mukhtar:	American University of Ras Al Khaimah, United Arab Emirates	
Title:	Biosorption: The challenge to remove pollutants from water without harming the environment	

10:30-11:00 Tea/coffee break

Venue: University D-ground

11:00-01:00 CONCURRENT TRACKS (Five Parallel Tracks)**TRACK 1: Clinico-Medical and Pharmaceutical Biochemistry-II**
(Video Conference Room 1, Faculty of Agriculture)

SESSION-III	Chair: Dr. Raja Razi-ul-Hussnain, PSF, Islamabad Co-Chair: Dr. Rizwan Ahmed, Independent Medical College, Faisalabad
Time	Speakers
11:00-11:30	KEYNOTE LECTURE 3 Molecular tools for detection of animal pathogens <i>Dr. Qaisar Mahmood Khan</i> NIBGE Faisalabad
11:30-11:45	Responsiveness of Serotonin (5-HT)-2c Receptor following Single Restraint Stress in Rats <i>Noreen Samad¹</i> ¹ Department of Biochemistry, Bahauddin Zakariya University, Multan
11:45-12:00	Association of Endothelial Nitric Oxide Synthase Gene Polymorphisms in Preeclampsia/ Eclampsia <i>Sana. R*, Nathaniel. S¹, Mehmood. S, Raza. M and Ammar. A</i> Kinnaird College for Women, Lahore.
12:00-12:15	Inhibitory Effect of Cyanidin-3-Glucoside on Proliferation and Induces Cell Death in Human Prostate Cancer Lncap Cells through Calcium Homeostasis of Endoplasmic Reticulum. <i>Shazia Perveen, Ji Seon Yang, Shin Hee Yoon</i> Department of Physiology, College of Medicine and the Catholic Agro-Medical Center, The Catholic University of Korea, 505 Banpo-dong, Socho-gu, Seoul, Republic of Korea.
12:15-12:30	Evaluation of Anticancer Potential of Stem Bark Extracts of <i>Cassia Fistula</i> L. <i>Mehwish Iram, Zeb Saddiqe*, Raheema Raheel</i> Department of Botany, Lahore College for Women University, Lahore, Pakistan
12:30-12:45	Stable Nano-Suspension Formulation for Brain Targeted Drugs to Improve <i>In Vitro</i> and <i>In Vivo</i> Efficacy <i>Asif Abbas Khan*, Waqas A. Zahoor, Muhammad Usman, Muddassar Zafar, Muhammad Javed Iqbal</i> Department of Biochemistry and Molecular Biology, University of Gujrat, Gujrat.
12:45-01:00	Anticancer Activity of The Phytochemicals Obtained from the Methanolic Extract of <i>Lippia Nodiflora</i>. <i>Fayaz Ahmed^{1*}, Fouzia Abdul Sattar¹, Samina A Sattar^{2b}</i> ¹ Balochistan University of Information Technology, Engineering & Management Sciences, Quetta

TRACK 2: Molecular Biology, Genetic Engineering and Bioinformatics
(Video Conference Room 2, Horticulture Landscape Studio)

SESSION-III	Chair: Dr. Asma Haq, GC University Faisalabad Co-Chair: Dr. M. Imran Mahmood Khan, Punjab Forensic Science Agency, Lahore
Time	Speakers
11:00-11:30	KEYNOTE LECTURE 3 Nanotheranostics: A New Era of Nanotechnology <i>Abida Raza</i> Nuclear Medicines Oncology and Radiotherapy Institute (NORI), Islamabad

11:30-11:45	Use of DNA nano-biosensors for the detection and quantification of economically important DNA viruses <i>Muhammad Ali Tahir, Sadia Zafar Bajwa, Anam Munawar, Shahid Mansoor, Rob. W. Briddon, Waheed S. Khan and Imran Amin</i> National Institute for Biotechnology and Genetic Engineering, Jhang Road, Faisalabad
11:45-12:00	In-Silico Structural and Functional Characterization of A Hypothetical Protein of Vaccinia Virus <i>Malik Siddique Mahmood, Naeem Mahmood Ashraf Muhammad Bilal, Fouzia Ashraf, Aadil Hussain, Muhammad Zubair Mehboob, Iqra Butt, Attha Tallat, Kiran Tanveer, Ayesha Aslam^a, Umer Rashid, Muhammad Naveed.</i> Department of Biochemistry & Molecular Biology, University of Gujrat, Gujrat
12:00-12:15	In Silico study of miR-132 with mRNA of Acetylcholinesterase to Investigate the Binding Affinities for Interaction <i>Sabahat Sohail, Muhammad Javaid Asad, Naureen Aslam Khattak, Saad Imran Malik, Raja Tahir Mahmood</i> Department of Biochemistry, PMAS Arid Agriculture University Rawalpindi
12:15-12:30	In Silico Study of NS5A Protein for Identification of Active Residue With Host Virus Identification <i>Saira Ibrahim, Muhammad Javaid Asad, Naureen Aslam Khattak, Shamim Akhtar and Raja Tahir Mahmood</i> Department of Biotechnology, Mirpur University of Science and Technology, Mirpur AJK
12:30-12:45	Algorithms and models of artificial immune system (AIS) with their applications <i>Muhammad Masoom-ul-Hussan Rehan and Amer Jamil</i> Department of Biochemistry, University of Agriculture Faisalabad
12:45-01:00	Saline-stress induced antibacterial cationic peptides from <i>Solanum lycopersicum</i> (tomato) <i>Nazia Kanwal, Fatma Hussain, ¹Nisar Ahmed and Amer Jamil</i> Department of Biochemistry, University of Agriculture Faisalabad.

TRACK 3: Industrial Biotechnology/Biomaterials and Biocomposites

(Video Conference Room 3, New Senate Hall)

SESSION-III	Chair: Dr. Farooq Latif NIBGE Faisalabad Co-Chair: Dr. M. Sheeraz Ahmad PMAS-Arid Agric. Univ., Rawalpindi
Time	Speakers
11:00-11:30	KEYNOTE LECTURE 3 Investigation of Biological Process for the Conversion of Bark Biomass to Bio-based Polyphenols <i>Muhammad Ferhan</i> Centre for Biocomposites and Biomaterials Processing (CBBP), Faculty of Forestry, University of Toronto, Toronto, ON, M5S 3B3, Canada.
11:30-11:45	Utilization of Agro-industrial Wastes for Hyper-production of Industrially Important Lipases <i>Nabeela Tariq Warriach, Zahid Anwar*, Muhammad Irsahd, Muddassar Zafar</i> Department of Biochemistry and Molecular Biology, University of Gujrat
11:45-12:00	Disperse Dyes Biodegradation and Lignolytic Enzymes Production Potential of Indigenous Brown rot fungus <i>Coniophora Puteana</i> IBL-01 <i>Raja Tahir Mahmood^{1, 3*}, Muhammad Javaid Asad¹, Muhammad Gulfraza¹, Saqib Hussain Hadri¹, Maqsood Ahmed²</i> ¹ Department of Biochemistry, PMAS Arid Agric. University Rawalpindi
12:00-12:15	UV-irradiation mutagenesis of <i>Ganoderma lucidum</i> for hyper production of ligninolytic enzymes <i>Memmona Qureshi^{1*}, Muhammad Asgher¹ and Haq Nawaz Bhatti²</i> ¹ Department of Biochemistry; ² Department of Chemistry, University of Agriculture, Faisalabad.
12:15-12:30	Synthesis of Good Quality Bioplastics using Chicken Feathers Waste <i>Shaha Waseem Khan*, Muhammad Asgher and Hafza Naeem</i> Department of Biochemistry, University of Agriculture, Faisalabad
12:30-12:45	Screening and Statistical Optimization of Physio-chemical Parameters for Production of Xylanases from Agro-industrial Wastes <i>Mirza Basit Ali¹, Muhammad Irshad^{1*}, Zahid Anwar¹</i> Department of Biochemistry, University of Gujrat
12:45-01:00	Ca-Alginate beads Immobilized Lignin Peroxidase from <i>Schizophyllum commune</i> IBL-06 has Improved Catalytic and Thermo-stability Properties <i>Sofia Perveen*, Muhammad Asgher</i> Department of Biochemistry, University of Agriculture, Faisalabad

TRACK 4: Food, Nutritional and Health Biochemistry
(Video Conference Room 4, Old Senate Hall)

SESSION-III	Chair: Dr Farah Naz Talpur, University of Sindh, Jamshoro Co-Chair: Khajista Jabeen, Lahore College for Women University, Lahore
Time	Speakers
11:00-11:30	KEYNOTE LECTURE 3 Hepatitis C Virus Infection: An Emerging Risk Factor for Thyroid Disorders in Pakistan <i>Shan Elahi*¹, Nayyab Batoool Rizvi², Nazish Saleem² and Affia Tasneem¹</i> ¹ Centre for Nuclear Medicine (CENUM), Mayo Hospital, Lahore
11:30-11:45	Microbiological analysis of ready-to-eat salads available at different outlets in Lahore, Pakistan. <i>Raima Rehman, Abdul Hannan and Muhammad Umer Khan</i> ¹ National Centre of Excellence in Molecular Biology, University of the Punjab, Lahore
11:45-12:00	Effect of Excessive Environmental Fluoride on Thyroid Morphology and Function in Children- A Review <i>Sadia Zulfiqar*¹, Humayun Ajaz¹, Shan Elahi²</i> ¹ Department of Chemistry, University of Engineering & Technology Lahore
12:00-12:15	Evaluation Of Biochar And Compost Antifungal Potential Against Grey Mold Disease <i>Maryam Munawar, *Khajista Jabeen, Sumera Iqbal, Barrera Khan & Zara Naeem</i> Department of Botany, Lahore College for Women University, Lahore
12:15-12:30	Interactive Effects of Salinity and Boron on the Growth, Physiological, Antioxidative Enzymes and Yield Responses of Wheat (<i>Triticum aestivum</i> L.) <i>Tayyaba Naz^{a,b,*}, Javaid Akhtar^a, Muhammad Saqib^a, Muhammad Anwar-ul-Haq^a, Muhammad Shahid^c, Muhammad Mazhar Iqbal^{a,d}, Shahid Javed^e, Nisar Ahmed^f, David A. Lightfoot^g, Richard Bell^b and Bernard Dell^b.</i> University of Agriculture, Faisalabad
12:30-12:45	Probiotics; A Potential Therapeutic Tool Against Nonalcoholic Fatty Liver Disease <i>Aysha Sameen, Nuzhat Huma, Muhammad Umair Sattar and Muhammad Issa Khan</i> National Institute of Food Science and Technology, University of Agriculture, Faisalabad
12.45-1.00	Signature role of miRNA in cell and therapeutic value in the treatment of Acute Myeloid Leukemia <i>Muhammad Danish Mund*, Bahar-E-Mustafa*, Umair Hassan Khan*, Muhammad Saad Zubair¹, Muhammad Adnan Ashraf²</i> *University of Agriculture, Faisalabad, Sub-Campus Toba Tek Singh

TRACK 5: Bioanalytical, Biophysical, Bioorganic and Environmental Chemistry
(Video Conference Room 5, Soil and Environmental Sciences)

SESSION-III	Chair: Dr Muhammad Zuber, GC University Faisalabad Co-Chair: Dr Ayesha Younus, University of Agriculture Faisalabad
Time	Speakers
11:00-11:30	KEYNOTE LECTURE 3 Gold Metallurgy: Future Prospective <i>Sadia Ilyas* and Haq Nawaz Bhatti</i> Environment and Material Chemistry Group, Department of Chemistry, University of Agriculture Faisalabad
11:30-11:45	Removal of Malachite Green from Simulated Waste Water by Composites <i>Asma Jabeen*, Haq Nawaz Bhatti, Saima Noreen and Sadia Ilyas</i> Department of Chemistry, University of Agriculture-38040, Faisalabad
11:45-12:00	Investigation of Naproxen Sodium Interaction with DNA by UV-visible Spectroscopy, FTIR Spectroscopy and Hyperchem Modeling <i>Ayesha Riaz* and Haq Nawaz Bahtti</i> Environmental Chemistry Laboratory, Department of Chemistry, University of Agriculture, Faisalabad
12:00-12:15	Arsenic Biosorption in Aqueous Environment by Using Novel Biowastes <i>Muhammad Bilal Shakoor^{1,*}, Nabeel Khan Niazi^{1,2}, Irshad Bibi^{1,2}, Muhammad Farrakh Nawaz³, Ghulam Murtaza¹, Yong Sik Ok⁴, Muhammad Abid¹</i> ¹ Institute of Soil and Environmental Sciences, University of Agriculture Faisalabad
12:15-12:30	GC-MS, LC-MS, Cytotoxicity and Antioxidant Analysis of <i>Russelia equisetiformis</i> Extracts and Use of its Extracts for Stabilization of Vegetable Oil <i>Muhammad Riaz^{1*}, Nasir Rasool^{2*}, Muhammad Nasrulla¹, Iqbal Ahmad¹, Beenish Javai¹, Tahrir-Un-Nisa¹, Nida Azia¹, Rabia Riaz¹</i> ¹ Department of Chemistry, University of Sargodha, Women Campus Faisalabad
12:30-12:45	Gas Chromatographic Studies of Soil Humic Acid <i>Mir Munsif Ali Talpur* and Tajnees Pirzada</i> Institute of Chemistry, Shah Abdul Latif University, Khairpur, Sindh
12:45-01:00	FT-IR Spectroscopic Characterization of Humic Acids in Agriculture Soils of District Khairpur, Sind Pakistan <i>Tajnees Pirzada* and Mir Munsif Ali Talpur</i> Institute of Chemistry, Shah Abdul Latif University, Khairpur, Sindh

13:00-14:00 LUNCH/PRAYER BREAK **Venue:** University D-ground

POSTER SESSION (All posters—Poster Evaluation) **Venue:** University Expo Centre

14:00-17:05 CONCURRENT TRACKS (Five Parallel Tracks)

TRACK 1: Clinico-Medical and Pharmaceutical Biochemistry**(Video Conference Room 1, Faculty of Agriculture)**

SESSION-IV	Chair: Dr. Qaisar Mahmood Khan, NIBGE, Faisalabad Co-Chair: Dr. Sajjad-ur-Rehman, University of Agriculture, Faisalabad
Time	Speakers
14:00-14:30	KEYNOTE LECTURE 4 Biometrics: A Human identification Tool <i>Nouman Rasool¹</i> ¹ University of Management and Technology, Lahore
14:30-14:45	The Genetic Interaction of Draxin and Tsukushi Is Essential For Forebrain Commissure Formation <i>Mahmud Hossain^{1,2}, Giasuddin Ahmed¹, Iftekhar Bin Naser¹, Ayako Ito¹, Riyadh M. Asrafuzzaman¹, Athary Felemban¹, Xiaohong Song¹, Hideaki Tanaka¹, Kunimasa Ohta¹ and Yohei Shinmyo¹</i> ¹ Department of Developmental Neurobiology, Graduate School of Medical Sciences, Kumamoto University, Kumamoto, Japan
14:45-15:00	Anticancerous Potential Analysis of Some Plant Extracts against Human Cervical Carcinoma Cell Line <i>Aysha Saeed, Hooria Younas, Semeen Khan, Nasir Mahmood</i> Kinnaird College for Women
15:00-15:15	Curative Aspects of Medicinal Plant Combinations against Isoproterenol Induced Myocardial Infarction <i>Kausar Parveen¹, Khalil-Ur-Rahman², Nadia Noor¹</i> ¹ Govt. College University for Women, Faisalabad
15:15-15:30	Bioassays Application for Cytotoxicity and Mutagenicity Evaluation <i>Munawar Iqbal¹, Ijaz Ahmad Bhatti², Muhammad Shahid² and Jan Nisar¹</i> ¹ National Centre of Excellence in Physical Chemistry, University of Peshawar
15:30-15:50	TEA BREAK
SESSION-V	Chair: Dr. Shahzad Ahmad Basra, University of Agriculture, Faisalabad. Co Chair: Dr. Muhammad Rafique Asi, NIAB Faisalabad
15:50-16:05	KEYNOTE LECTURE 5 : Management of hepatitis C patients: past, present and future <i>Dr. Sajjad Iqbal Sial</i> Department of Pathology, Shalamar Hospital, Lahore
16:05 -16:15	Mutation Induced Enhanced Biosynthesis of Streptokinase <i>Muhammad Naeem¹, Bushra Sadia¹, Faisal Saeed awan¹, Muhammad Anjum Zia²,</i> ¹ Centre of Agricultural Biochemistry and Biotechnology (CABB), UAF, Faisalabad, Pakistan
16:15-16:25	Prevalence of <i>mecA</i> and <i>lukS/F-PV</i> gene in <i>Staphylococcus aureus</i> isolated from four tertiary care hospitals of Lahore city <i>Muhammad Shaheen Iqbal^{1,2}, Farheen Ansari¹, Yasar Saleem^{2*}, Muhammad Usman Qamar³, Abida Hassan², SaniaMazhar², Quratulain Syed²</i> ¹ Department of Microbiology, Institute of Molecular Biology and Biotechnology the University of Lahore, Lahore
16:25-16:35	Airborne Fungal Analysis of Different Units of Hospitals Present In Bhimber, Azad Kashmir Pakistan <i>Tanveer Hussain, Muhammad Ishtiaq, Shahzad Azam, Haroon Mehmood</i> Department of Botany, Mirpur University of Science and Technology Bhimber Campus, Bhimber Azad Kashmir

16:35-16:45	WEE1 Inhibitors Sensitize H3K36me3 Deficient-tumor Cells to Instigate Mitotic Slippage Leading to Programmed Cell Death <i>Irfan Liaqat*</i> , Arslan Hamid, M. Raees, Farhan Fazil, M. Kashif, Waqas A. Zahoor, M. Javed Iqbal. Department of Biochemistry and Molecular Biology, University of Gujrat
16:45-16:55	Study of Prevalence of Cystic Fibrosis among Young Children in Pakistan <i>Abdur Rehman*¹, Muhammad Shoaib², M. Javaid Asad³,</i> <i>*¹College of Medical Technology, Shifa Tamer e Millat University Islamabad</i>
16:55-17:05	Clinical Importance and Molecular Characterization of CTX-M beta-lactamases enzymes <i>Ghazanfar Abbas^{1*}, Iftikhar Hussain¹, Shahbaz Raza¹, Faisal Rasheed Anjum¹, Mashkooor Mohsin Gillani</i> <i>¹ Institute of Microbiology, University of Agriculture, Faisalabad.</i>
17:05-17:15	Design and Synthesis of Ibuprofen and Naproxen Derivatives as Cholinesterase Inhibitors via <i>In vitro</i> Models <i>Ahsan Iqbal¹, Zulfiqar Ali Khan^{1*}, Sohail Anjum Shahzad, Syed Ali Raza Naqvi, Matloob Ahmad¹, Muhammad Yar³, Khalid Mohammed Khan⁴ and Ataf Ali Altaf¹</i> <i>¹Department of Chemistry, Government College University, Faisalabad</i>

TRACK 2: Molecular Biology, Genetic Engineering and Bioinformatics
(Video Conference Room 2, Horticulture Landscape Studio)

SESSION-IV	Chair: Dr. Nighat Naeem, Independent Medical College, Faisalabad Co-Chair: Dr. Mudassar Zafar, University of Gujrat
Time	Speakers
14:00-14:30	KEYNOTE LECTURE 4 Biotechnology based sustainable insect control strategies <i>Zain ul Abdin</i> Insect Molecular Biology Lab., Department of Entomology, University of Agriculture, Faisalabad
14:30-14:45	Identification and Characterization of ATWBC7 and ATCNGC19 for their Roles During Abiotic Stress Tolerance in <i>Arabidopsis thaliana</i> <i>Aftab Ahmad, Zulqurnain Khan, Muhammad Salman Mubarik, Hirokazu Kobayashi and Sultan Habibullah Khan</i> Department of Biochemistry/US-Pakistan Center for Advanced Studies in Agriculture and Food Security (USPCAS-AFS), University of Agriculture, Faisalabad
14:45-15:00	Characterization of Recombinant Thermostable Phytase from <i>Thermotoga naphthophila</i> and its Biological Evaluation in Broiler Chicks <i>Furqan Sabir, Muhammad Tayyab, Sehrish Firyal, Ali Raza Awan, Muhammad Wasim, Abu Saeed Hashmi and Naeem Rashid</i> Institute of Biochemistry and Biotechnology, University of Veterinary and Animal Sciences, Lahore
15:00-15:15	Cloning and Expression of Buffalo Prochymosin <i>Ammara Bashir, Hooria Youns</i> Kinnaird College for Women, Lahore
15:15-15:30	ELISA for transgenic rice plants, insects and predator in tri-trophic interaction <i>Zunnu Raen Akhtar</i> Department of Entomology, University of Agriculture Faisalabad
15:30-15:50	TEA BREAK

SESSION-V	Chair: Dr. Nisar Ahmed, University of Agriculture, Faisalabad Co. Chair: Dr Amjad Hameed, NIAB Faisalabad
15:50-16:05	KEYNOTE LECTURE 5 Genetically Modified (GM) Crops: A case study shows that a fungal transcription factor gene is expressed in plants from its own promoter and improves drought tolerance <i>Anjuman Arif</i> Nuclear Institute for Agriculture and Biology, Faisalabad
16:20-16:35	Assessment of Genetic Diversity of Pakistani Hexaploid Wheat (<i>Triticum aestivum</i> L.) Based on High Molecular Weight Glutenin Subunits (HMW-GS) <i>Raheela Rehman</i> Faculty of Engineering and Natural Sciences, Sabanci University of Istanbul, Turkey
16:35-16:50	Development of an Efficient Regeneration Protocol for Wild Type Tobacco <i>Maria Kanwal, Faiz Ahmad Joyia, Ghulam Mustafa and Muhammad Sarwar Khan</i> Centre of Agricultural Biochemistry and Biotechnology (CABB) University of Agriculture, Faisalabad
16:50-17:05	<i>Azospirillum</i> spp. to enhance cotton growth <i>Lubna Rasool, Muhammad Asghar, Amer Jamil, Sumaira Rasul</i> Department of Biochemistry, University of Agriculture, Faisalabad.
17:05-17:20	Interaction and Replication of ssDNA Viruses and their associated Satellites <i>Ghulam Murtaza, Sara Shakir, Sehrish Ijaz, Shah Nawaz ul Rehman and Muhammad Mubin</i> Virology Lab, Centre for Agricultural Biochemistry and Biotechnology, University of Agriculture Faisalabad
17:20-17:35	Evaluation of differentially expressed proteins of <i>Ricinus communis</i> by SDS-PAGE analysis <i>Raheela Jabeen, Sumaira Kousar and Amer Jamil</i> Molecular Biochemistry Lab, Department of Biochemistry, University of Agriculture, Faisalabad

TRACK 3: Industrial Biotechnology/Biomaterials and Biocomposites
(Video Conference Room 3, New Senate Hall)

SESSION IV	Chair: Zafar M. Khalid International Islamic University, Islamabad Co-Chair: Dr. Shagufta Kamal GC University Faisalabad
Time	Speakers
14:00-14:30	KEYNOTE LECTURE 4 Production of Thermostable Enzymes for Industry using Thermophilic Fungi <i>Dr. Farooq Latif</i> National Institute for Biotechnology and Genetic Engineering, Faisalabad
14:30-14:45	Novel thermostability, catalytic and dye removal properties of Calcium-Alginate Bead immobilized <i>Trametes versicolor</i> IBL-04 Laccase <i>Sadia Noreen*, Muhammad Asgher and Sofia Perveen</i> Department of Biochemistry, University of Agriculture, Faisalabad
14:45-15:00	Production, Purification and Characterization of Glucose Oxidase from <i>Pleurotus ostreatus</i> <i>Arooj Arshad*, Muhammad Anjum Zia, Shaukat Ali and Munir Ahmad Sheikh</i> Department of Biochemistry, Univ. of Agriculture, Faisalabad
15:00-15:15	Energy Dependent Proteolysis in Archaea <i>Hira Amjad¹*, Aftab Ahmad², Nouman Rasool¹</i> ¹ Department of Chemistry, University of Management and Technology, Lahore

15:15-15:30	Immobilization of <i>Pleurotus sapidus</i> WC 529 laccase on chitosan beads and its optimization and characterization <i>Sadia Aslam* and Muhammad Asgher</i> Department of Biochemistry, University of Agriculture, Faisalabad
15:30-15:50	TEA BREAK
SESSION V	Chair: Dr. Yassar Saleem PCSIR Labs Complex, Lahore Co-Chair: Dr. Sadia Javed GC University Faisalabad
15:50-16:20	KEYNOTE LECTURE 5 Industrial and Environmental Application of Biosurfactant Produced by <i>Pseudomonas aeruginosa</i> <i>Dr. Zafar Mahmood Khalid</i> Department of Bioinformatics and Biotechnology, International Islamic University, Islamabad, Pakistan
16:20-16:35	Hyperactivation and thermostability enhancement of <i>Ganoderma lucidum</i> IBL-05 LiP Immobilized using Sodium Alginate <i>Raheela Shaheen* and Muhammad Asgher</i> Department of Biochemistry, University of Agriculture, Faisalabad
16:35-16:50	Characterization of Alkali Insoluble Carbohydrate Polymers from Various Parts of Desert cotton <i>Haq Nawaz*, M. Aslam Shad, Hina Saeed, Hina Andaleeb, Anam Waheed</i> Department of Biochemistry, Bahauddin Zakariya University, Multan
16:50-17:05	Comparison of free and immobilized laccases produced by <i>Pleurotus ostreatus</i> IBL-02 <i>Farina Jamil¹*, Muhammad Asgher¹, Fatma Hussain¹ and Haq Nawaz Bhatti²</i> ¹ Department of Biochemistry, ² Department of Chemistry, University of Agriculture, Faisalabad
17:05-17:	Entrapment improves the stability and recycling efficiency of bacterial free α-glucosidase within microenvironment of Polyacrylamide gel <i>Muhammad Asif Nawaz¹*, Afsheen Aman², Shah Ali Ul Qader²</i> ¹ Department of Biotechnology, Shaheed Benazir Bhutto University Sheringal Dir (Upper), KPK

TRACK 4: Food, Nutritional and Health Biochemistry
(Video Conference Room 4, Old Senate Hall)

SESSION-IV	Chair: Dr. Najma Memon, University of Sindh, Jamshoro Co-Chair: Dr. Shazia Anwer Bukhari, GC University Faisalabad
Time	Speakers
14:00-14:30	KEYNOTE LECTURE 4 <i>In vitro</i> effect of salt stress on regeneration and carbohydrate metabolism in basmati rice <i>Nisar Ahmad, Sehar Nawaz, Aisha Butt and Iqra Habib</i> Centre of Agricultural Biochemistry and Biotechnology (CABB), University of Agriculture, Faisalabad
14:30-14:45	Evaluation of phytochemical, antioxidant, hemolytic and stabilization of sunflower oil by <i>Amomum sabulatum</i> (Large cardamom) leaves extracts <i>Asifa Noreen¹, Muhammad Riaz¹*, Nasir Rasool², Muhammad Asif Hanif³, Tahrim-Un-Nisa¹</i>

	Department of Chemistry, University of Sargodha, Faisalabad Campus
14:45-15:00	Drought induced alterations in growth and <i>in vitro</i> regeneration of bread wheat (<i>Triticum aestivum</i> L.) <i>Aisha Butt¹, Sehar Nawaz, Muhammad Mubin¹, Ihsan Khaliq² and Nisar Ahmed¹</i> Centre of Agricultural Biochemistry and Biotechnology (CABB), University of Agriculture, Faisalabad
15:00-15:15	Relation of Weight gain and Dyslipidemia in Teenagers by Excess Consumption of Fast Food and comparison of Physical Activities. <i>Saba Liaqat</i> Department of DDNS, The University of Lahore, Gujrat Campus, Gujrat
15:15-15:30	Effect of Rhizobacterial Mediated Auxin on Growth Promotion of Wheat and Mung Bean Plants. <i>Farzana Iftikhar* and A. Iqbal</i> Department of Microbiology and Molecular Genetics, The Women University Multan
15:30-15:50	TEA BREAK
SESSION-V	Chair: Dr Zahed Mahmood, GC University, Faisalabad Co-Chair: Dr Sadaf Saleem, GC Women University, Faisalabad
15:50-16:05	KEYNOTE LECTURE 5 Evaluation of nutritional quality in meat of three farmed carp fish species (<i>Labeo rohita</i>, <i>Cirrhinus mrigala</i>, <i>Catla catla</i>) raised under the same conditions. <i>Nusrat N. Memon¹ and Farah N. Talpur²</i> ¹ Dr.M.A.Kazi Institute of Chemistry University of Sindh, Jamshoro.
16:05-16:20	Comparative effects of garlic (<i>Allium sativum</i>) aqueous and ether extracts on alloxan-induced diabetic rats <i>Faiza Hassan¹, Mubshara Saadia*¹, Alamgeer², M. Sher¹, Mahmood Ahmad Khan³</i> ¹ Department of Chemistry, University of Sargodha, Sargodha
16:20-16:35	Comparative Study Of Exogenous Application Of Plant Growth Regulators Against Urea Fertilizer On The Biochemical And Phenolic Antioxidants Of Mint Leaves <i>Maryam Aslam^{1,2*}, Bushra Sultana² And Hassan Munir³</i> *Department of Chemistry, Government College Women University, Faisalabad
16:35-16:50	Compositional difference in Antioxidant and Antibacterial Activity of All Parts of the <i>Carica Papaya</i> Using Different Solvents <i>Nazia Asghar¹, Syed Ali Raza Naqvi^{1,*}, Faheem Askari Rizvi¹, Zaib Hussain², Zulfiqar Ali Khan¹</i> ¹ Department of Chemistry, Government College University, Faisalabad
16:50-17:05	Phytochemical Evaluation of <i>Allium sativum</i> L. and <i>Zingiber officinale</i> L. Rhizome in various organic solvents. <i>Javaria Hafeez¹, Dr. Fatma Hussain², Dr. Muhammad Shahid³</i> Department of Biochemistry, University of Agriculture Faisalabad.

TRACK 5: Bioanalytical, Biophysical, Bioorganic and Environmental Chemistry
(Video Conference Room 5, Soil and Environmental Sciences)

SESSION-IV	Chair: Dr Ijaz Ahmad Bhatti, University of Agriculture Faisalabad Co-Chair: Dr Fahat Jabeen, GC Women University, Faisalabad
Time	Speakers
14:00-14:30	KEYNOTE LECTURE 4 Recent Developments in Metal-Based Anti-Cancer Drugs; Role of Metal-N-Heterocyclic Carbenes Complexes

	<i>Muhammad Adnan Iqbal*</i> Department of Chemistry, University of Agriculture, Faisalabad
14:30-14:45	Application of Natural Dye Extracted from Kashmiri Tea with Various Mordants <i>Sadia Noureen* and Shaukat Ali</i> Department of Chemistry, University of Agriculture, Faisalabad
14:45-15:00	Designing of Efficient Hole Transport Materials Based on TPA (triphenyl amine) for Photovoltaic Applications <i>Muhammad Adnan and Dr.Javed Iqbal*</i> Department of Chemistry, University of Agriculture, Faisalabad
15:00-15:15	Simulation of UV-Vis Spectra of Phenanthrene Based Medicinally Active Compounds <i>Zeenat Zara and Dr.Javed Iqbal*</i> Department of Chemistry, University of Agriculture, Faisalabad
15:15-15:30	Benchmark Studies of UV/Vis Spectra of Coumarin Derivatives from Medicinal Plants <i>Javed Iqbal¹*, Muhammad Irfan¹ and Muhammad Adnan¹</i> Department of Chemistry, University of Agriculture, Faisalabad
15:30-15:50	TEA BREAK
SESSION-V	Chair: Dr Haq Nawaz Bhatti, University of Agriculture Faisalabad Co- Chair: Dr Muhammad Riaz, University of Sargodha, Faisalabad Campus
15.50-16-05	KEYNOTE LECTURE 4 Preparation of Novel Hybrids of Polystyrene Nanoparticles and Silica Nanoparticles-Grafted-Graphite Via Modified Technique for better thermal stability and efficient conductivity <i>Amara Nasir¹, Ayesha Kausar² and Ayesha Younus¹*</i> ¹ Department of Physics, University of Agriculture Faisalabad
16:05-16:20	Fabrication of Flower-Like Hydrozincite by Hydrothermal Method and Its Applications in Adsorption <i>Saba Jamil¹*, Haq Nawaz Bhatti¹, Shanza Rauf Khan¹</i> Department of Chemistry, University of Agriculture Faisalabad
16:20-16:35	ZnO nano-Flowers as Efficient Anti-Bacterial Agent <i>Ambreen Ashar, Ijaz Ahmad Bhatti, Sajjad Ur Rahman, Munir Ashraf, Waheed Khan and Asma Imran</i> ¹ Department of Chemistry, University of Agriculture, Faisalabad
16:35-16:50	Ambient Ozone Pollution Impact on Biochemical Characteristics of <i>Vigna radiata</i> L. Plants by Using Ethylenediurea <i>Azeem Haider* and Shakil Ahmed</i> Institute of Agricultural Sciences, University of the Punjab, Lahore
16:50-17:00	Extraction Of Phenolic Compounds From <i>Cannabis Sativa</i> Using Ionic Liquids As Extraction Solvents <i>Sidra Saif Ullah, Amara Imdad, Zubera Naseem, Muhammad Zahid*, Muhammad Asif Hanif</i> Department of Chemistry, University of Agriculture Faisalabad
17:00-17:10	Detection of Formalin in fresh and pasteurized milk <i>Anam Inderyas¹ and Ijaz Ahmad Bhatti¹</i> ¹ Department of Chemistry, University of Agriculture, Faisalabad

17.05-17.50 COMBINED PLENARY SESSION 4 Venue: Iqbal Auditorium

Chair:	Dr. Wolfgang Baltus, PRICE Corporation Thailand
Co-Chair:	Prof. Dr. Muhammad Sarwar, University of Agriculture Faisalabad, Pakistan
PLENARY LECTURE-VI	
Prof. Dr. Ather Ata:	The University of Winnipeg, Canada
Title:	<i>Small Natural Molecules based Drug Discovery and their Biotechnological Production</i>

19:30 Onwards DINNER with Live Music Venue: Univ. D-ground

WEDNESDAY, FEBRUARY 24, 2016

9:00-10:30 COMBINED PLENARY SESSION 5 Venue: Iqbal Auditorium

Chair:	Dr. Habib Aslam Gaba, <i>FACC</i> , Consultant Cardiologist, Faisalabad
Co-Chair:	Dr. Muhammad Ashfaq Ghouri, Dean Faculty of Sciences, Murray College Sialkot
09-00-09:45 PLENARY LECTURE-VII	
Dr. Tanweer Ahmed:	Director Lincoln County Hospital, UK
Title:	<i>Streamlining clinical trial regulations and infrastructure are attracting the clinical trial industry in the UK- A lesson for Pakistan</i>
09:45-10:30 PLENARY LECTURE-VIII	
Dr. Khurshid Saharan:	Senior Markets and Trade Officer, Agriculture and Agri-Food Canada
Title:	<i>Agri-based Bioeconomy</i>

11:00 a.m. CLOSING Venue: Iqbal Auditorium

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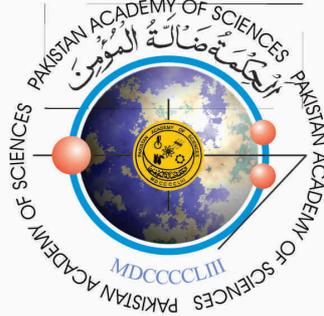
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