

KINNAIRD COLLEGE FOR WOMEN

OFFICE OF RESEARCH INNOVATION AND COMMERCIALIZATION



3rd

INTERNATIONAL CONFERENCE ON SCIENCE, TECHNOLOGY AND INNOVATION

18th - 20th FEBRUARY 2025

CONFERENCE PROGRAM

DAY 1 TUESDAY	
18 th February 2025	
OPENING CEREMONY	Time
Registration	8:00 AM - 9:50 AM
Guests to be seated	10:00 AM
Recitation of the Holy Quran followed by Recitation of Holly Bible	10:10 AM
National Anthem and College Song	10:20 AM
Welcome and opening address by Principal Kinnaird College	10:30 AM
Introduction of Keynote Speakers	10:40 AM
Address by Chief Guest	10:50 AM
Presentation of Souvenir	11:00 AM
Tea	11:00 AM - 11:30 AM

Invited Talks (11:30 AM-1:00 PM)	
INVITED TALK 1 Keynote speaker: Prof. Dr. A R Shakoori Professor and Director, School of Biological Sciences, University of the Punjab Topic:	11: 30 am -12:00 noon
INVITED TALK 2 Keynote Speaker Prof. Dr Rosario A. Basay Professor of Economics Bristol Community College, Fall River MA. Topic: How can developing countries make Innovation and Technology work for women: Opportunities and Challenges.	12:00 noon -12:30 pm

LUNCH

1:00 pm - 2:00 pm | Technical Session-1-14
(10 Min for Each Presentation)

POSTER COMPETITION

at NB Courtyard
2:00 pm to 3:30 pm

Time	HALL 1	HALL 2	HALL 3	HALL 4	HALL 5	HALL 6	HALL 7
	Technical Session 1	Technical Session 2	Technical Session 3	Technical Session 4	Technical Session 5	Technical Session 6	Technical Session 7
	THEME	THEME	THEME	THEME	THEME	THEME	THEME
	Mathematics	Physics	Biotechnology/G enetics	Microbiology	Chemistry	Biochemistry	Computer Science/IT
2:00 Pm - 3:30 Pm (10 Min for Each Presentation)	Muddassar, H.Zainab Arshad & Malik Sajjad Mehmood Ecg Signals Analysis With Fractional Order Filters	Physics Seminar on "Microscopy techniques for nano materials".	Fatima Akram, Ikram Ul Haq Auto-Induction & Biochemical Characterization of a Novel Thermo Alkaline & Detergent-Stable Lipase (S9 Peptidase Domain) From Thermotoga Naphthophila as Cleaning Additive & Degrading Oil/Fat Wastes	Aneela Rehman, Asma Saeed Wajejha Asad,Ibrar Khan Azam Hayat, Mujaddad Ur Rehman, Tawaf Ali Shah, Baye Sitotaw,Turki M. Dawoud & Mohammed Bourhia Eco-friendly textile desizing with indigenously produced amylase from Bacillus cereus AS2	Chemistry Seminar on "Iridium-Catalyzed Aromatic C-H Activation/Borylation".	Arham Khan, Maimoona Hamood, Ruqyya Khalid, Faiz Ahmad Raza, Shafiq Ur Rehma Biochemical & Molecular Characterization of Non-Tuberculous Mycobacteria	Saba Iqbal & Sidra Zafar Ids-Classifer Benchmark: An Empirical Comparison of Machine Learning Models for Intrusion Detection
	Fatima Aamir, Zeba Suhail, Shumaila Waheed & Sadia Hameed Evaluation of The Hosoya Polynomial & Wiener Index of Families of Closed Helm & Mongolian Tent Graphs		Iram Waqar, Rasheeda Bashir & Imran Altaf Risk Factors Of Amr Pneumonia In Pakistani Population: An Emerging Public Health Concern	Falak Naz Tariq, Mehreen Shafiq, Nadeem Khawar, Gul Habib, Haji Gul, Azam Hayat & Mujaddad Ur Rehman The functional repertoire of AmpR in the AmpC β -lactamase high expression and decreasing β -lactam and aminoglycosides resistance in ESBL Citrobacter freundii		Hania Ikram, Dr. Amna Younus Phytochemicals Analysis & Biological Activities Of Acetone & N- Hexane Extracts Of Aloe Barbadosis	Halima Farrukh Cyber-Bullying Detection On Instagram & Twitter Using Machine Learning & Natural Language Processing
	Fatima Aamir, Zeba Suhail, Shumaila Waheed & Sadia Hameed Enumeration Of The Hosoya Polynomial & Wiener Index Of Families Of Double Wheel & Sun Graph		Babar Hussain & Hikmet Budak Genomics Of Salt Tolerance & Micronutrients In Common Wheat	Sana Sardar, Dr.Ibrar Khan, Dr.Mujaddad ur Rehman, Dr.Azam Hayat, Dr.Qismat Shakeela Isolation and Characterization Ofamyase Producing Bacteria From Fruit Dumping Site		Asma Makhdoom, Dr. Raazia Tasadduq, Dr. Faiz Ahmed Raza Assessment Of Anti-Osteoporotic Activity Of Indo-Pak Flora: A Meta-Analysis Of Ovariectomized Murine Model Based	Alia Asghar Leveraging Natural Language Processing to Enhance Cybersecurity: A Focus On Anomaly & Intrusion Detection Investigations

Sara Khan, Fatima Aamir & Zeba Suhail The Hosoya Polynomial Wiener Index & Hyper-Wiener Index Of The Jahangir Graph	Muhammad Asjad Khan Innovative Media Selection to Enhance Growth & Biochemical Composition of Spirulina Platensis: A Path Toward Sustainable Algal Production	Shazaib Khan, Dr.Ibrar Khan, Dr.Mujaddad ur Rehman, Dr.Azam Hayat, Dr.Shehzad Ahmed Dr.Qismat Shakeela Frequency Of Covid -19 Variants In Islamabad	Haika Muneer, Fizza Zehra, Tehreem Humayun, Hooria Younas Computational Prediction & Characterization of A Multi-Epitopic Vaccine Against Hcv Genotype 3a	Ayesha Adnan Deep Learning Model For Detection & Classification Of Various Skin Diseases
Midhat Kamran & Zeba Suhail Modelling 1965 & Post Aps Attack Patriotic Songs Using Differential Equations	Baseerat Noor, Shumaila Zulfqar Genetic Elucidation of Hereditary Neurological Disorders In Pakistani Population	Mohammad Irfan Khan, Khola Zia, Mujaddad Ur Rehman, Muhammad Rizwan, Ibrar Khan, Azam Hayat Iqbal Iqbal Ahmad Alvi Isolation, Identification and Characterization of Xanthomonas axonopodis Pv. Citri. from Selected Citrus Fruits	Haika Munir, Fizza Zehra, Tehreem Humayun, Hooria Younas In Silico Structural	Imran Anwar Ujan & Arifa Bhutto E-Health System In Developing Countries
Naba Talib &Tuba Parvez M-Polynomial & Degree-Based Topological Indices of Butterfly Graph	Durre Sameen Genetic Disorders in Pakistan: The Growing Burden of Sickle Cell Anemia and Cystic Fibrosis	Kiran Akram, Ibrar Khan, Aneela Rehman, Azam Hayat Mujaddad Ur Rehman, Mohsin Khurshid, Palwasha Hayat, Abdul Rahman Alshammari, Metab Alharbi, Salvatore Massa Exploring the Antimicrobial Potential of Biologically Synthesized Zero Valent Iron Nanoparticles	Laiba Shaheen, Ruqyya Khalid, Raazia Tasadduq In Vitro & In Silico Analysis of Antimicrobial Activity of P. Betle Leaves	Minahil Javed, Dr Muhammad Younas Comparison of Machine Learning and Deep Learning Models for Gym Physical Activity Recognition
Naba Talib &Tuba Parvez A Study of Topological Indices of Toroidal Graph by Polynomial	Hajra Malik, Duaa Azam, Dr. Tanveer Majeed Isolation and Characterization of Phosphate Solubilizing Bacteria and Investigation of Their Effect on Trachyspermum Ammi	Ibrar Khan, Madiha Ali, Maryam Aftab, SajidUllah Shakir Sadia Qayyum, Kashif Syed Haleem, Isfahan Mycoremediation: A Treatment for Heavy Metals Polluted Soil using Indigenous Metallotolerant Fungi	Tehreem Humayun, Haika Muneer, Fizza Zehra, Hooria Younas Immuno-Informatics Analysis of a Multi-Epitope Vaccine Targeting the E2 Protein of Hcv Genotype 3a	Muhammad Haris Javed, Dr Muhammad Younas Identification of Depression Indicators in Urdu Texts using Deep Learning

	Zara Nadeem & Hiba Ashraf A Newly Formulated Central Difference Interpolation Technique & Its Comparison with Different Interpolating Methods		Maleeha Gulnar, Zaigham Abbass Humera Kausar Synergistic effect of Green Synthesized Zinc Oxide Nanoparticles Conjugated with Bacteriophages for Targeted Antibacterial Activity against Staphylococcal Bovine Mastitis	Maria Umar, Aneela Rehman, Ibrar Khan, Palwasha Hayat, Sidra tul Muntaha Azam Hayat, Mujaddad Ur Rehman Screening and optimization of extracellular pectinase produced by Bacillus thuringiensisSH7	Chemistry Seminar on "Iridium-Catalyzed Aromatic C-H Activation/Borylation".	Dr. Amna Younus Prevalence Of Angiotensin Gene Polymorphism T174m Among Pakistani Pregnant Females	Noor Ul Hira, Nimra Tariq, Muhammad Zulkifli Hasan & Muhammad Zunnurain Hussain Artificial Intelligence Based Access Control Management In Cloud Environments
	Fatima Aamir, Prof. Zeba Suhail Fakhra Gulzar & Arwa Usman Reckoning The Hosoya Polynomial of Graph Families of Triangular Book & Triangular Book with Bookmark	Physics Seminar on "Microscopy techniques for nano materials".	Raiha Fatima, misbah, Sadia Bioactivity Profiling Of Soil Derived Streptomycetes Species against Multi Drug Resistant (MDR) Salmonella Typhi	Ibrar Khan, Maryam Aftab, SajidUllah Shakir Madiha Ali, Sadia Qayyum, Mujadda-Ur-Rehman, Kashif Syed Haleem, Isfahan Touseef Fungal Mycoremediation of Heavy Metals (Cd & Cr) Polluted Soil through Indigenous Metallo-tolerant Isolates		Ayesha Abbas, Dr Amna Younus , Dr Hooria Younas Pruritic Urticarial Papules & Plaques of Pregnancy (Puppp)	Alishba Imran, Muqaddas Hameed, Muhammad Zulkifli Hasan & Muhammad Zunnurain Hussain Transforming Genomic Research and Precision Medicine with AI and Cloud Computing
	Technical Session 8	Technical Session 9	Technical Session 10	Technical Session 11	Technical Session 12	Technical Session 13	Technical Session 14
	Mathematics	Physics / Physical Sciences /Civil Engineering	Biotechnology /Genetics	Microbiology	Chemistry	Biochemistry/ Biological Sciences/Pharmaceutics	Computer Science/ IT
3:30 Pm - Onwards							
3:30 pm - 4:30 pm	Fatima Aamir, Prof. Zeba Suhail , Iqra Saeed & Arwa Usman Evaluating The Hosoya Polynomial of Graph Families of Jewel, Shell & Shell-Butterfly Graph	Fatima Hassan Zaidi, Faiza Uzma Computational Analysis of Fluid Dynamics in A Jpl Nozzle	Samra Javed, Muhammad Ansar & Mahwish Aftab Humera Kausar Genetic Analysis of Consanguineous Families With Visual Impairment Phenotypes	Matiullah, Nazim Hussain, Ibrar Khan, Isfahan Tauseef, Islam Khan, Sadia Manzoor, Kashif Syed Haleem Cloning and Periplasmic Soluble Expression of Hepatitis B Surface Antigen Gene in Escherichia coli	Bushra Khalid, Amna Yousadf & Bushra Basit Quantitative Evaluation Of Arsenic By Arsenic Kit Method & Using Icp-Oes As Gold St&ard In Different Water Bodies From Selected Areas In Lahore.	Hooria Younas, Mashmoom Suhail, Komal Fatima Chaperones Assisted Expression of Prochymosin in Escherichia Coli	Muhammad Taha Spwm Cascaded H Bridge 3 Phase Inverter
	Fatima Aamir, Prof. Zeba Suhail, Dr. Sadaf Butt & Arwa Usman Determining The Hosoya Polynomial Of Graph Families Of Complete Graph K_N With P_4 & C_6 (K_N^N^C)	Anshrah Sajid, Areeba Ijaz, Dr. Faiza Uzma, Dr. Mudassar Hussain Unraveling The Impact Of Climate Change On Agriculture & Air Quality In Punjab, Pakistan.	Fatima Jawed, Irshad Hussain, Tanveer Majeed Fabrication of Silver Nanoparticle-Infused Mesoporous TiO2 Nanocomposites And Their Antimicrobial Evaluation	Mehreen Shafiq, Gul Habib, Azam Hayat, Mujaddad Ur Rehman Characterization Of EsiI Producing Escherichia Coli Recovered From Covid-19 Patient	Dr. Amina Arif & Dr. Naeem Rashid Leveraging Megaprimer Mutagenesis & Bicistrionic Vectors for Enhanced Producing Recombinant Protein Expression & N-Terminal Cleavage	Ruqyya Khalid Targeting Tuberculosis: The Role Of Phage Therapy In The Fight Against Drug Resistance	Namsh Ghauri Progression In Facial Expression Recognition: Comparative Analysis Of Models From 2013 To 2023
	Dr. Sadaf Butt, Fakhra Gulzar, Farwa Maskeen Cosmological Inflation Based On Entropy Corrections	Zoha Khan, Aysha Aftab Optimizing Parameters Of Cu2Znsns4 Based Solar Cell Using Scaps-1d	Khadija Haroon, Dr. Mureed Hussain, Dr. Humera Kauser Genetic Investigation and Bioinformatics Analysis Of Congenital Cataract in Pakistani Consanguineous Families	Musanna, Gul Habib, Azam Hayat, Mujaddad Ur Rehman Identification And Molecular Characterization Of Salmonella Persister Cells Involved In Biofilm Resuscitation	Rubina Bibi, Maliha Zahid, Ashraf Faiz Rasool, Muhammad Tariq Ajaz Hussain, Kausar Hussain Shah, Hafiz Muhammad Asif, Muhammad Ali Khan, Shabbir Hussain, Muhammad Sirajuddin, Muhammad Yar, Khurshid Ayub Antidiabetic Potential Of Organoruthenium Carboxylate Complexes	Sammar Aaroon, Tabinda Nadeem, Amna Younus Association of AGT gene polymorphism M235T with Preeclampsia : a case control study	Zoobia Fatima & Iram Noreen Review of Challenges in Neurodegenerative Disorders Detection Using Deep Learning
	Dr. Sadaf Butt, Shumaila Waheed & Khizra Ather Inflationary Dynamics in View of Modified Chaplygin Gas	Marwa Batool & Ayesha Asghar Unlocking Precision: Evaluating Mri Sequences for Accurate Glioma Grading"	Dr. Sumaira Anjum, Hafsa Imtiaz, Irha Mujeeb, Areej Imran Cyclodextrin Coated Biosynthesis of Silver-Zinc Oxide (Ag-ZnO) Bimetallic Nanoparticles and Evaluation of Their Anti-Diabetic Activity in Albino Rats	Numan Khan, Sajjad Ali Shah, Muhammad Hubab, Sidra Tul Muntaha, Ibrar Khan & Azam Hayat, Mujaddad Ur Rehman Olea Europaea Mediated Green Synthesis Of Sno Nanoparticles And Sno Dope With Fecl 2 And Its Biological Applications	Hafsa Nasir, Ayesha Roohi, Amna Yousaf, Rubina Munir Nasir H., Roohi A., Yousaf A., Munir R. Optimization of Conditions for The Removal of Methylene Blue Using Nickel Oxide Nanoparticles	Dr. Razzia Tassaduq & Hafsa Naveed Molecular Docking Studies Of Syzygium Aromaticum Oil Components Exhibiting repellent Activity Against Odorant Receptor 4 Of Aedes Aegypti.	Muhammad Tajmal & Dr. Iram Noreen A Comprehensive Review of Synthetic Iris Presentation Attack Detection Using Deep Learning
	Iqra Saeed & Shahwar Zafar Evaluating The Efficacy of Various Machine Learning Algorithms for The Prediction of Temperature in Lahore	Faiza Uzma, Xiao Zheng Mechanically Probing Magnetism Of Single Spin Molecular Magnet On Surface(111): First Principles Study	Samaa Rashid Imran Altaf, Faisal Ayub & Rasheeda Bashir Investigating Role of Artificial Intelligence Based Approaches To Detect Klebsiella Pneumoniae From Pcr Confirmed Samples	Palwasha Hayat, Ibrar Khan, Aneela Rehman, Tayyaba Jamil, Azam Hayat, Mujaddad Ur Rehman, Najeeb Ullah, Abid Sarwar, Amnah A. Alharbi, Anas S Dablood, Zubaida Daudzai, Abdulhakeem S. Alamri, Majid Alhomrani, Tariq Aziz Myogenesis and Analysis of Antimicrobial Potential	Leena Siddiqui, Rubina Munir, Faryal Chaudhry, Ayesha Roohi Synthesis Of Quinoline-Sultam Hybrid Scaffolds: Design, Optimization & Characterization	Ammad Aslam Khan Singletons, The Evolutionary Relics	Sadia Aslam, Zupash Awais, Muhammad Umar Hameed Precision Agriculture For Mango Farming: Transfer Learning Models For Disease Detection In Pakistan
	Iqra Saeed Shahwar Zafar Zara Hafeez Assessment of Rainfall Trends Using Machine Learning Algorithms	Faiza Uzma, Arsalna Investigating The Influence Of Rainfall Geometry & Environmental Conditions On Lift & Drag: An Interactive Simulation.	Komal Aslam, Iram Anjum, Kanwal Aslam & Rasheeda Bashir Association of Vitamin D Receptor Gene Polymorphisms with Autosomal Recessive Primary	Salma Afridi, Ibrar Khan, Azam Hayat, Mujadda-Ur-Rehman PGPR as growth promoter and biocontrol of Glycine max (L.) Merr.	Syeda Laiba Asad, Rubina Munir, Rawail Fatima, Rabia Gohar Nitration Of Methyl 2-[(Methane Sulfonyl)Amino] Benzoate; Optimization & Characterization	Muneeba Khalid Synthesis and characterization of Nano biochar from rice husk biochar for the removal of safranin and malachite green from water	Taimoor Mukhtar, Hafiz Hamza Shahid & Muhammad Sohaib Amir Urban Blue Green Areas Segmentation For Aqi Improvement

			Microcephaly in the Pakistani Population: Insights from a Case-Control and In-Silico Analysis				
4:30 pm - 10:00 pm	Prof. Zeba Suhail, Fatima Farrukh & Syeda Hafsa Ijaz Differential Equations (Des) Model Of Redemption & Emotion In Les Misérables (2012)	Imran Sadiq Appraisal of Nano-Sized Hexaferries for Hyperthermia Applications	Haleema Sadia The Future of Space Farming: Feeding Humanity Beyond Earth	Tariq Shah, Wajid Hussain, Niyaz Ali, Sadia Sardar, Muhammad Ishaq, Mujaddad Ur Rahman, L.M ding, Sadia Qayyum, Ibrar Khan Frequency Distribution And Risk Factors Of Hbv & Amp; Hcv Infections Among Thalassemia Patients: A Regional Study	Zainab Qamar, Rubina Munir, Noorma Shahid 4-(6-Methoxy-1H-Pyrazolo[3,4-B]Quinoln-1-Yl)Benzaldehyde: Synthesis, Purification & Characterization Of The Novel Molecule	Sairah Hafeez Kamran, Shaina Sohaili, Hafiza Hira Iqbal, Farah Tahir Investigation of Guaiacot's Anti-Obesity Effects in A High-Fat Diet Rat Model	Laiba Shahab, Ambreen Habib, Muhammad Zulkifli Hasan, Muhammad Zunnurain Hussain AI & Deep Learning For Sustainable Cloud Security
	Iqra Yaqoot, Zeba Sohail & Sarah Saif Sustainable Strategies For Efficient Disposal Of Automotive Fuel Cell Waste From Road Freight Vehicles Using Pythagorean Z-Numbers	Malik Sajjad Faridood & Saman Arif Re-Investigation Of Rc Circuit Law Within the Framework Of Fractional Calculus	Iqra Jahangir Genetics, Diagnosis, and Treatment: A Five-Year Case Report of Wilson Disease, Glanzmann Thrombasthenia and Spinal Muscular Atrophy in Pakistan	Ummara Faridood Khan, Gul Habib, Azam Hayat, Mujaddad Ur Rehman Biochemical and molecular based (gyra) characterization of salmonella sp. from hospitalized patient	Noor Fatima, Anum Hayat Whitening or Worrying? Heavy Metal Analysis in Whitening & Medicated Soaps		Muhammad Aneeq Rab Nawaz, Syed Ijlal Haider, Muhammad Zulkifli Hasan Muhammad Zunnurain Hussain Assessing The Impact of Ai On Phishing Detection Techniques
	Iqra Yaqoot, Zeba Sohail An Analytical Comparison of Graph & Fuzzy Graph Theoretical Approaches	Prof. Dr. Anwar Khitab Rediscovering Heritage: Sustainable Materials Shaping the Cities of Tomorrow	Sania Mustafa, Anees Fatima, Ammad Aslam Khan Unraveling The Interplay Between Cpg Isl&s, Gene Expression, & Pseudogenizati on	Wajid Hussain, Muhammad Nasir Riaz, Abdur Rashid, Ifra Zeb, Sadia Qayyum & Ibrar Khan Epidemiology of Pulmonary Tuberculosis in Northern Area of KPK, Pakistan	Zunara Umar, Munawar Ali Munawar Synthesis of Benzotriazinone Based Sulphonamides & Their Evaluation as Urease Inhibitors		Muhammad Ali Khan A Fusion of Servenet-Chatgpt Models for Web Services Classification
	Iqra Yaqoot, Zeba Sohail & Haiqa Ishitiah Integrated Critic-Mabac & Critic-Aras Algorithms For Optimizing Urban Mobility System In Seoul: Navigating Hybrid Electric Vehicles			Zartasha Syed, Aneela Rehman, Ibrar Khan, Palwasha Hayat, Sidra Tul Muntaha Azam Hayat & Mujaddad Ur Rehman Optimization of Fermentation Conditions for Lab Scale Production of Amylase by Bacterial Isolates	Dr. Faiza Hassan Biomaterials Reinforced With Nanoparticles For Biomedical & Environmental Applications		Usama Naeem Butt, Muhammad Ahmad Raza, Muhammad Zulkifli Hasan, Muhammad Zunnurain Hussain Multi-Layered Security Approach For Cloud-Based Systems Using Blockchain & Ai Technology
	Anum Naseem, Abdul Ghafoor Kasana Impact Of Mhd On Hybrid Nanofluid Flow Over A Stretching Sheet In The Presence Of Mixed Convection				Hamna Saqib, Rabia Suhail, Faryal Chaudhry, Mishma Gill Investigating The Effect Of Different Thermal Treatments On The Phytochemical Contents & Antioxidant Potentials Of Cruciferous & Umbelliferae Vegetables: A Comparative Study		Haider Ali "The No-Code Revolution: Empowering Creativity In The Future Of Web Designing
	Iqra Yaqoot , Zeba Sohail & Sarah Saif Enhancing Emotion Recognition In Kids' Games With Pythagorean Z-Numbers				Sidra Rana, Adnan Arshad, Mohammed Saeed Iqbal Enhanced Activity Of Cisplatin Loaded Arabinoxylan Nanoparticles In Cancer		Asra Nasir, Sidra Zafar & Zaeem Nasir A Deep Learning-Based Multiclass Classification System for Pakistani Banknote Recognition to Assist Visually Impaired Individuals
	Muhammad Aleem Ashraf, Judith K Brown , Imran Shahid, Farah Naz Maryam Fareed & Naitong Yu In Silico Investigation Of Host-Derived Micromas Targeting Cacao Swollen Shoot Togo B Virus						Faiza Rehman, Mariam Rehman Underwater Litter Detection Using YOLOV8
	Fizza Saeed Stability Analysis In Palatini Gravity						

DAY 2	
WEDNESDAY 19th February 2025	
Guests to be seated 9:00 am- 9:15 am, Formal opening of the Day 9:15 am - 9:30 am Invited Talks (9:30 AM-11:30 AM)	
INVITED TALK 1 Keynote speaker: Dr. Muhammad Akhyar Farrukh Acting Dean, Professor at Faculty of Science and Technology, University of Central Punjab, Lahore, Pakistan. Topic: The Role of Machine Learning in Advanced Characterization of Graphene-Metal Oxide Nanocomposites	9: 30 am -10:00 am
INVITED TALK 2 Keynote Speaker Prof. Dr Malik Mujaddad Ur Rehman, Dean, Chairman, Pro-Vice Chancellor, Abbottabad University of Science and Technology Topic: Determination of different methodologies of infection and their impact on in vitro phage therapy	10:00 am -10:30 am

INVITED TALK 3 Keynote Speaker Dr. Rebecca Benya-Soderbom Associate Professor Bristol Community College, Fall River MA. Topic: All History Leads to Innovation	10:30 am -11:00 am
BUSINESS PLAN & INNOVATIVE IDEA COMPETITION at NB Courtyard 11:30 am to 1:30 pm	

Technical Sessions 15 - 21 (11:30 am-1:30 pm) (10 Min for Each Presentation)							
Time	HALL 1	HALL 2	HALL 3	HALL 4	HALL 5	HALL 6	HALL 7
	Technical Session 15	Technical Session 16	Technical Session 17	Technical Session 18	Technical Session 19	Technical Session 20	Technical Session 21
	THEME		THEME	THEME	THEME	THEME	THEME
	Botany/ Plant Pathology		Innovation & Technology	Environmental Sciences	Zoology	Bio-technology	Statistics
11:30 am - 1:30 pm	Amna Imran, Anna Rosling, Hector Urbina & Abdul Nasir Khalid High Throughput Sequencing Reveals Fungal Community Structure In Himalayan Fir Forests In Northern Pakistan		Mahnoor Jahanzaib The Impact Of Urbanization On Energy Consumption: Panel Study Of Selective Developing Countries	Jannat Faisal, Esha Mehmood & Dr Almas Hamid Assessment of Health & Safety Conditions & Identifying Occupational Health Issues Among Workers at Construction Site			
	Zarghoona Naz, Summera Jahan, Audil Rashid Activated Biochar for enhancing Maize photosynthesis and yield under drought stress		Aneeqa Naveed Federated Learning for Robust Brain Tumor Detection in Mri Scans	Warda Shabbir Ahmad Geospatial Analysis of the Impact of Climatic Factors (Temperature & Uneven Rainfall) On Crop Production in Punjab			
	Salwa Nisar Impact of Twin scaling on Micropropagati on of Amaryllis sp.		Samar Lisan The Impact of Indirect Taxes On the Income Inequality of Pakitsan	Amber Fatima & Tajeel Fatima Occupational Health & Safety Of Workers In Al Textile Industry Lahore			
	Amna Shoaib Biopolymer-Based Hydrogels & Alginate Beads: Sustainable Solutions for Crop Protection & Climate Resilience		Shaherbano Factors Affecting Human Development – A Case Study On Selected Asian Countries	Aqsa Samee Khan Determination of Drinking Water Quality of Kot Lakhpat, Lahore			
	Gulshan Irshad, Gull-e-laala Khan, Farah Naz, Raina Ijaz, Nagina Rafique, Saiqa Bashir, Nayla Haneef and Amar Mehmood Global Impact of Artificial Intelligence Developing Resilient Strategic Transformation Meeting Climate Change Challenges		Sundas Malik Determinants of Moonlighting in Pakistan: A Case Study of Lahore	Motia Yousaf Occupational Health & Saftey Conditions Of Workers In Selected Industries (Khawaja Tannery, Ali Raza Tannery, Shahid Arif Tannery & Yousaf Saqlain Tannery), Kasur			
			Laiba Majid The Impact Of Globalization On Poverty: A Case Study Of Selected Developing Countries	Shahlale Rashid & Amber Fatima Occupational Health & Safety Issues Among Solid Waste Workers of Dha, Lahore			
			Aimen Khurshid Impact of Public Debt On Economic Growth of Pakistan: A Time Series Analysis from 1998-2022	Ibtisam Qadir, Muzzamil Khan, Ayesha Elahi, Uswah Naveed, Saira Bano, Shahid Parvez Assessing Merging and Fusion Techniques for Microwave, Thermal, Multispectral and Panchromatic Remotely Sensed Images For Major Earth Surface Features			
			Hamna Tehrim Impact Of Oda & Institutional Quality On Economic Growth (Panel Of Lower Middle Income Countries	Afifa Riasat Khan, Zainab Mehmood, Eisha Badar & Almas Hamid Research Report On Occupational Safety & Health Hazards at The Public Hospital			
			Hadiqa Atif Plato's Lysis & Ai Chatbots: An Analysis of Friendship	Afifa Riasat Khan & Almas Hamid Harnessing The Nutritional Potential Of Banana Peels & Eggshell Waste As Sustainable Fertilizer			

			Syeda Mehreen Fatima Munir Exploring The Impact of Language Therapy App On the English Language Performance of Pakistani Autistic Children	Nawal Fatima Potential Of Modified Luffa As A Natural Coagulant For Clarification Of Different Wastewater			
			Laiba Shakeel Comparing MI & DI Models in Emotion Analysis	Derk Bakker, A. Ashgar, E. Gill1 & S. Saleem Modelling Green Urban Spaces as Sinks for Air Pollutants in Lahore, Pakistan			
			Khadija Bibi, Rana Manzoor Ahmad, Muhammad Ammar & Abdul Majid Khan Comparative Morphometric & Craniometric Analysis Between River & Farmed Labeo Rohita	Faisal Tehseen Shah & Muhammad Mahboob Khurshid Barriers to Open Environmental & Climate Data: A Systematic Literature Review			

LUNCH 1:30 PM - 2:30 PM							
Time	Technical Sessions 22 - 28 (2:30 pm - Onwards)						
	Technical Session 22	Technical Session 23	Technical Session 24	Technical Session 25	Technical Session 26	Technical Session 27	Technical Session 28
	Food Science & Human Nutrition/ Human Development		Innovation & Technology	Environmental Sciences / Agricultural Sciences	Zoology / Applied Life Science/Poultry Sciences	Bio-Technology	Statistics
2:30 PM - Onwards	Dr Rabia Naz, Miss Fasiha Ilyas, Fatima Habib Momordica Charantia Seed Oil As A Natural Preservative In Mayonnaise	Manahil Zahra Hijab Case Study: Managing Diet Progression After Gastrojejunostomy Due to Corrosive Injury	Madiha Noor Dimensions Of Work Preferences Of Female Labour Force In Pakistan	Fatima Naseer Analysis of the quality of the drinking water in the town of Chawinda in the Sialkot district.	Sara Khan, Saima Sharif, Ammara Waris & Dr.Shugfta Naz Investigation On the Therapeutic Role of Ginger Extract in Zinc Oxide Nanoparticles Induced Cardiac Toxicity in Rats		Nashra Faisal, Taim Irfan, Fatima Jamil Study On Physiological Changes Caused by Stress
	Haniam Sahar Niazi Nida Tasneem Khan Dr. Nadia Akram Impact of Diet Diversity On Nutrient Intake of Adolescent Girls Aged 18-26 Years	Miss Shiprah Sisal Modification & St&ardization of Traditional Desserts Using Alternative Sweeteners	Laraib Fatima Niazi, Maryam Baig Adapting Creation: Biotechnology, Ai, & Scientific Responsibility in Mcgill's Our Hideous Progeny	Maria Maqsood, Muhammad Usman & Hafiz Ubaid Ur Rahman Ultrasound-Assisted Ethanolic Extract of Morus Nigra Fruit Alleviates Oxidative Stress & Inflammation Via Keap1/Nrf2, Dual Oxidases, & Jak/Stat Pathways	Amina Tufail, Jundong Duan, Yanhua Qu, Song Gang, Bushra & Nisar Khan Gut Microbiota Dynamics in Avian Species Across Ecological Types & Migration Distance Gradients at A Stopover in Punjab, Pakistan		Zainab Abid, Waleeja Jamsheed, Fatima Jamil Prevalance of Healthy Eating Habits Among University Students
	Alishba Naeem Iron-Rich Sweet & Savory Snacks for Anemic Individuals	Shanzay Kashif Research On Beauty Technology & Its Psychological & Societal Impact	Maryam Faisal & Ambreena Javaid Traffic Congestion & Inefficiency of Public Transport, Lahore	Maria Maqsood Muhammad Usman & Hafiz Ubaid Ur Rahman Postbiotics as Promising Novel Biotherapeutics Against Multifactorial Diseases	Dr Kiran Aftab & Sharon Ulfqigir New Fossils of Listriodon from The Lower Shwilk, Pakistan		Saleha Naghmi Habibullah, Kalsoom Akhtar Chaudhry & Zunaira Khurrum On The Development of Area-Biased Exponential-Exponential Distribution
	Dr. Mahnaz Nasir, Dr. Nadia Akram, Fasiha Illyas, Iqra Saeed Development Of Sensory Lexicons For Profiling Pakistani Traditional Snacks	Atif Liaqat, Samreen Ahsan, Muhammad Farhan Jahangir Chughtai, Rabia Iqbal, Tariq Mehmood, Muhammad Adil Farooq, Adnan Khaliq Garlic Extract; An Effective Remedy Against Foodborne Pathogens	Fatima Naseer Ao bachon khaili.	Muhammad Usman, Amna Sahar, Hafiz Ubaid Ur Rahman, Maria Maqsood Halal Gelatin Extraction from Fish Waste & Its Potential Applications in The Food Sector	Ayesha Muzammil Rana Isolation & Identification Of Pathogenic Bacteria On Post Harvested Common Carp(Labeo Rohita) Fish Skin		Naila Alam, Tooba Khan & Isma Aamir The Temperature Patterns of Coastal Zone & Deep-Sea Zone in Arabian Sea from 2000 To 2024
	Mubeen Bashir, Dr. Amal Shaukat, Maha Hanif A Comprehensive Review of a Scientific Approach to Non-Thermal Pasteurization by Use of High-Pressure Processing (Hpp) In Food	Hifza Shakeel and Muhammad Sohaib Powdered Sweet Basil (Ocimum Basilicum) Leaves Enhance Quality, Microbial Safety and Sensorial Acceptability Of Chicken Meat Patties	Javed Yunas Uppal Entrepreneurship, Innovation &Technology, For Small Town Sustainability	Iqra Hussain, Dr. Najiya Al-Arifa, Irfana Liaqat, Samra Atta Ullah Anti-Inflammatory & Modulatory Effects of Ethano-Medicinal Cams of Family Fabaceae On Ova-Induced Asthmatic Murine Model			Naila Alam, Tooba Khan, & Kanwal Shahid Application of Linear, Quadratic, & Cubic Splines On the Sea Surface Temperature in The Arabian Sea & Precipitation Data of Pakistan
	Nadia Akram, Ramsha Rafiq, Nishwa Anwar Phytochemical Screening & Quantification of Phenolic Compounds in Neem Plant	Ramsha Akram, Umar Farooq, Aliza Batool, Kiran Kareem, Amna Sayat, Hunaina Saleem Hamna Saqib, Aqsa Ateeq The Role Of Microalgae In Addressing Global Protein Demand	Noeha Akhtar ,Rida Nadeem Maham Muzamil Investigating The Problems Faced by The Public-School Teachers in Online Teaching at The Secondary Level	Jabeen Zahra, Dr. Najiya Al-Arifa , Prof. Dr. Farkh&a Manzoor & Dr. Irfana Liaqat Synbiotic Effect of Lactobacillus & Root Tuber Extracts On Liver of Diet Induced Hypercholesterolemic Murine Model			Dua Saleem, Zoha Sheikh & Tooba Khan Data-Driven Approach To Climate Action: Forecasting Co2 Emissions In Pakistan
	Safa Fatima, Dr Amal Shaukat, Dr Kanza Aziz Awan, Nimrah Riaz, Tehreem Fatima, Mubeen Bashir Enhancing Gluten-Free Food Preservation Through Nanotechnology-Based Packaging Solutions	Hassan Farid, Nagina Rafique, Saiqa Bashir, Muhammad Zubair Khan, Gull e Lala, Intiaz Hussain Development and Sensorial Characterization of a Functional Snack Food item (cake) Prepared from Sweet Potato (Ipomoea batatas L.	Noeha Akhtar James, Farzana Farooq, Maham Muzamil The Impact of Educational Marginalization On Academic Achievement of Students at The University Level.	Gull E Aden, Zoya Nawaz In Vitro Analysis Of Green Solvents			Tooba Khan, Umra Waris, Esha Habib & Jaria Zainab Exploring The Effects of Temperature & Rainfall On Maize Production: A Pathway to Sustainable Agriculture in Pakistan

2:30 PM - Onwards	Samra Khan, Sumaira Saeed & Sunaina Shafiq Reimagining Waste: Turning Orange Peels Into Sustainable C&ied Confections	Alzumar Gull Khan Development of Infographics for Awareness of Zinc Deficiency in Reproductive-Age Women, Its Prevention & Treatment	Aania Rehman, Farzana Iqbal, Maham Muzamil A Comparative Study Of Mental Health Among Art & Non-Art Students At The Undergraduate Level.		Abdul Samad, Ayesha Muazzam, Md Jakir Hossain, Muhammad Hamza, Hafeez Ur Rehman, Ali Khera & Atif Rehman Synergistic Effects of Restructuring Technology & Bio-Adhesives On Textural Properties & Shelf Life of Hybrid Chicken Patties		Fatima Abdullah, Waleeha Shahid, Fatima Jamil Influence of Mental Health, Emotions, Thoughts & Relationships On Well-Being
	Amna Sayal, Umar Farooq, Aliza Batool, Hamna Saqib, Ramsha Akram, Aqsa Ateeq, Hunaina Saleem Feeding The Future: Bridging Agriculture & Nutrition for Sustainable Solutions	Komal Hassan Relationship Between Dietary Habits & Perceived Stress Among University Students	Rafia Rashid, Amtul Saboor & Maham Muzamil Perceptions of Undergraduate Students About The Impact of Chatgpt (Ai) On Their Academic Assignments		Dr. Quratulain Hanif Global Genetic Diversity, Introgression, & Evolutionary Adaptation of Indicine Cattle Revealed by Whole Genome Sequencing		Khazaima Mushtaq, Javeria Farooq, Fatima Jamil Influence of Sports On Youth Development & Social Skills
	Aleena Ahmed Comparison of Different Forms of Nutrition Education On Adolescent Nutrition Knowledge, Attitude, & Practices (Kap)	Areeba Iftikhar, Fatima Shahid, Dr. Kanza Aziz Awan, Tehreem Fatima Utilization of Food Waste & By-Products in Developing Value-Added Functional Ingredients	Muqadas Fatima, Soayba Ilyas, Sadia Akram Yamna Javeed, Samar Khan & Zainab Kashif Post-Graduation Anxiety Among University Students in Pakistan: A Mixed-Method Study		Ammar Abbas Siddiqui , M Umair Waqas,Hafeez Ur Rehman Ali Khera,Rana Muhammad Shahbakt, Abdul Samad, Atif Rehman Comparative Effect Of Vitamin C, Betaine, Vinegar & Sodium Bicarbonate On Growth Performance & Carcass Characteristics Of Broiler Chicken During Heat Stress		Meerab Suleman, Mehak Naeem, Fatima Jamil A Study On Artificial Intelligence & Its Role in Near Future
	Hadia Sohail Optimization of Tamarindus Indica Gum Extraction and Its Evaluation As A Food Additive In Different Food Models	Maha Muazzam Direct & Indirect Factors Affecting the Nutrition Status of Hostel Girls in Kinnaird College	Bushra Shereen Anarkali From Mughal's Court To Algorithm/AI Impact Of Ai On Urdu Drama In The Coming Decade				Naila Alam, Tooba Khan & Javeria Farooq Modeling The Relationship Between Arabian Sea Surface Temperature & Precipitation in Pakistan Using Multivariate Time Series Techniques
	Haroon Jamshaid Qazi, Aiqian Ye, Alej&ra Acevedo-Fani, Harjinder Singh In-Vitro Digestion Of Differently Structured Starch Gels: Impact On The Bioaccessibility Of Curcumin	Noor Qaiser The Impact Of Background Music On Sensory Perception Of Food, Meal Duration & Post Meal Satiety Perception					
	Fatima Naqvi & Samawia Qureshi Comparison of Intuitive Eating Practices Between the Students of Nutrition Majors & Students of Non Health Science Majors	Tehreem Fatima, Dr. Amal Shaukat, Dr. Kanza Aziz Awan, Areeba Iftikhar Smart Sensors & Lot in Food Processing; Enhancing Traceability & Quality Monitoring					
	Ayesha Masood Resistant Starch & Its Impact On Non-Communicable Diseases: Modulating Gut Microbiota For Health	Javeria Rana, Fajer Ayub, Javaria Khalid, Nadia Abbas The Therapeutic Potential Of Bacopa Monieri: A Review					
	Fizzah Jabeen Fixing Menstrual Health With Nutrition & Eating: A Complete Way To Balance Hormones	Javaria Rana, Fajer Ayub, Javeria Khalid, Tabinda Jabeen, Rabeea Mubarak Cyber Proxies and Indirect Approach between India and Pakistan (2014-2021)					
	Mian Kamran Sharif , Maira Abdul Razzak Sustainable Food Systems: Enhancing Agriculture & Nutrition Through Nutrient-Enforced Recipes in Pakistan	Haleema Wasif, Syeda Aliya Sherazi Incorporating Dietary Guidelines & Lifestyle Changes Into Infographics For Awareness About Childhood Obesity, Its Prevention, & Treatment					
	Nadia Akram & Nishwa Anwar & Ramsha Rafiq Utilizing The Undisputed Phytochemical Potential Of Neem Plant To Develop Functional Foods	Marwa Waheed, Salim Ur Rehman, Muhammad Bilal Hussain, Nida Kanwal & Amir Arshad Transforming Food Safety & Sustainability: The Role of Modern Food Processing Technologies					
	Nadia Akram & Kainaat Rehman The Role Of Oral Processing Behavior In Blood Glucose Regulation Through Mindful Mastication	Muhammad Bilal Hussain, Salim Ur Rehman, Marwa Waheed Nutritional & Pharmacological Properties of Cantaloupe Peel: An Overview					
	Kanwal Tasneem St&ardization & Nutrient Analysis of Traditional Pakistani Snacks	Ehver Gul Impact Of Stress On Eating Patterns Of Students					
	Shumaila Muzaffar The Relationship Between Snacking Patterns & Timing With Body Mass Index In College Students	Huda Ismail Enhancing Dietary Diversity In Adolescents Aged 15 To 16 Through The Implementation Of A Behavior Change Communication Model					
	Mishal Fatima, Zainab Akram Impact Of Eating Habits On Nutritional Status Of Autistic Children	Kanza Afzaal Organoleptic Attributes & Physicochemical Properties of Nutrient Dense Instant Soup Mixes					

DAY 3 Thursday 20 th FEBRUARY 2025	
Guests to be seated	9:00 am - 9:10 am
Formal opening of the event	9:10 am - 9:20 am
Recitation of Holy Quran followed by Recitation of Holy Bible	9:20 am - 9:30 am
MOU Signing Activity	9:30 am - 10:00 am
INVITED TALK 1 Keynote Speaker Prof. Vassiliy Bavro Professor of Structural Microbiology, School of Life Sciences, University of Essex Topic: Harnessing structural information to combat antimicrobial resistance	10:00 am - 10:30 am
INVITED TALK 2 Keynote Speaker Dr Fowad Murtaza Assistant professor, University of Essex Topic:	10:30 am - 11:00 am
Vote of Thanks	11:00 am - 11:30 am
Address by Chief Guest	11:30 am - 12:00 noon
Closing Remarks by Principal Kinnaird College	12:00 pm - 12:10 pm
Certificates and Award Distribution Ceremony	12:10 pm - 12:30 pm
National Anthem followed by group photograph	12:30 pm - 12:45 pm
Refreshment	12:45 pm



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