



FACULTY OF SCIENCE & TECHNOLOGY
UNIVERSITY OF CENTRAL PUNJAB

International Conference on Emerging Horizons of Science and Technology (ICEHST-2024)
November 21-22, 2024



Faculty of Science and Technology
University of Central University of the Punjab
SCIENTIFIC PROGRAM



Thursday, November 21, 2024 (Day 01)

Inaugural Ceremony Venue: Main Auditorium		
09:00 — 10:00 AM	Arrival and Registration of Participants	
10:00 — 10:10 AM	Recitation and National Anthem	
10:10 — 10:20 AM	Welcome note by Convener ICEHST-24, Prof. Dr. M. Akhyar Farrukh Dean, Faculty of Science and Technology, UCP	
10:20 — 10:30 AM	Address by Guest of honor, Dr. Hammad Naveed Pro-Rector, UCP	
10:30 — 10:45 AM	Address by Chief Guest, Prof. Dr. Syed Habib Bokhari Vice Chancellor, Kohsar University	
10:45 — 10:55 AM	Program Overview by the Focal Person ICEHST-2024, Dr. Muhammad Naveed	
10:55 — 11:00 AM	Distribution of Souvenirs to Guests & Invited Speakers	
Tea Break (11:00 am To 11:30 am) Visit of Scientific Research Posters in corridors of Main Auditorium		
Plenary Session Venue: Main Auditorium		
11:30 — 12:00 PM	Dr. Maria Mushtaq Abu Dhabi Vocational Education and Training, UAE	Microbial Bio-Cellulose: Unlocking the potential of Local Date Waste for Sustainable Environmental Solutions
12:00 — 12:30 PM	Dr. Tariq Aziz University of Ioannina, Greece	Therapeutic Potential of <i>Lactiplantibacillus plantarum</i> in DSS-Induced Colitis: Modulating Gut Microbiota, Immune Responses, and Intestinal Integrity
12:30 — 1:00 PM	Dr. Irshad Hussain Lahore University of Management Sciences	Functional Nanomaterials – Tuning the Size and Surface Chemistry for Applications in Renewable Energy Technologies, Biomedical and Environmental Sciences
Lunch Break (01:00 pm to 02:00 pm) B-Building Courtyard		
Technical Session A Venue: Main Auditorium Themes: Biotechnology, Microbiology & Zoology		
Session Chairs: Prof. Dr. Aftab Ahmad, University of Veterinary and Animal Sciences Prof. Dr. Tahir Mehmood, University of the University of the Punjab Dr. Samina Hassan, Kinnaird College for Women University		
Chief Moderator: Dr. Tanzeela Riaz		
Moderator: Ms. Anum Tahir & Dr. Shazia Imtiaz		



AMERICAN SOCIETY FOR MICROBIOLOGY



RAFIQ TRADERS
Deals in Chemicals, Lab equipment & related items

Time	Speaker Details
02:00—02:15 PM	Dr. Hafiz Muzzammel Rehman <i>Specialization: Biotechnology</i> <i>University Of the Punjab, Lahore</i> Identification of Rdrp Inhibitors Against SARS-Cov-2 Through E-Pharmacophore-Based Virtual Screening, Molecular Docking and MD Simulations Approaches
02:15—02:30 PM	Dr. Muhammad Khan <i>Specialization: Zoology</i> <i>University of the Punjab, Lahore</i> Metabolic Reprogramming in Cancer Cells with Natural Bioactive Molecules: A Promising Strategy for Cancer Therapy
02:30—02:45 PM	Dr. Muhammad Hayat Haider <i>Specialization: Microbiology</i> <i>University of the Punjab, Lahore</i> High Frequency and Molecular Characterization of ESBLs and Carbapenemases Producing Gram-Negative Bacterial Isolates from Burn Patients
02:45—03:00 PM	Dr. Ammarah H. Naqvi <i>Specialization: Biotechnology</i> <i>University of Basic & Applied Sciences, Lahore</i> Overexpression of Tadof1 Transcription Factor in Wheat for Improved Nitrogen Assimilation
03:00—03:15 PM	Dr. Asma Ahmed <i>Specialization: Biotechnology</i> <i>University of Lahore, Lahore</i> In Silico Identification of Anti- PCOS Compound from G. Max (L.) Seeds and It's In Vivo Validation Via a Comparison with Cyproterone Acetate
03:15—03:30 PM	Dr. Muhammad Babar Khawar <i>Specialization: Zoology</i> <i>Yangzhou University, China</i> A Novel Approach for Tumor-Released Methylated DNA Detection Using Molecularly Imprinted Polymers
03:30—03:45 PM	Dr. Noman Khaliq <i>Specialization: Research & Development</i> <i>RANI Omico-Informatics Feeds and Pharmaceuticals, Lahore</i> In Silico Assessment of Plant-Derived Fatty Acids Effects on Poultry Meat and Its Validation Via In Vivo Approach
03:45—04:00 PM	Prof. Dr. Tahir Mehmood <i>Specialization: Molecular biology & Molecular Genetics</i> <i>University of the Punjab, Lahore</i> Production Of Bio-Vanillin from Industrial Food Processing Waste (Fruit Peels) Using Solid-State Fermentation and Statistical Process Optimization By RSM
04:00—04:15 PM	Dr. Balogun Kayode Pete <i>Specialization: Biotechnology</i> <i>Federal University of Technology Akure (FUTA), Nigeria</i> Phytoremediation: The Role of Green Technology in Achieving Sustainable Development Goals (SDGs)
04:15—04:30 PM	Dr. Saba Kabir <i>Specialization: Microbiology</i> <i>University of Central Punjab, Lahore</i> Profiling Of Virulence Genes of Salmonella and Its Association with Fluoroquinolone Resistant Genes
04:30—04:40 PM	Dr. Rabia Mehmood <i>Specialization: Cell & Molecular biology</i>



AMERICAN
SOCIETY FOR
MICROBIOLOGY



RAFIQ TRADERS
Desh In Chemicals, Lab
equipment & related items

	<p><i>University of the Punjab, Lahore</i> High-Fat Diet Ameliorates the Expression of Hedgehog Signaling Pathway in Adult <i>Rattus Norvegicus</i> Liver</p>
04:40—05:00 PM	<p>Prof. Dr. Aftab Ahmad <i>Specialization: Microbiology</i> <i>University of Veterinary & Animal Sciences, Lahore</i> Preparation And Evaluation of Multivalent Vaccine for <i>Clostridium Perfringens</i> Using Locally Characterized Toxinotypes</p>
<p>Technical Session B (Parallel session) Venue: Webinar Room C-Building Themes: Chemistry, Biochemistry & Food Sciences</p>	
<p>Session Chairs: Prof Dr. Muhammad Imtiaz Shafiq, University of the Punjab, Lahore Prof. Dr. M Tauseef Sultan, Bahauddin Zakariya University, Multan Dr. Pervez Anwar, University of Sialkot, Sialkot Chief Moderator: Dr. Sumera Zaib Moderator: Dr. Namrah Anwar & Dr. Akhtar</p>	
Time	Speaker Details
02:00—02:15 PM	<p>Dr. M. Tauseef Sultan <i>Specialization: Food Sciences</i> <i>Bahauddin Zakariya University, Multan</i> Wild Plants of South University of The Punjab: A Reservoir of Food & Nutritional Additives</p>
02:15—02:30 PM	<p>Prof. Dr. Ilkay Erdoğan Orhan <i>Specialization: Biochemistry</i> <i>Lokman Hekim University, Turkey</i> Exploring The Neuroprotective Competency of Selected Plant Phenolics Via Application Of In Vitro, In Silico, In Vivo, And Molecular Methods</p>
02:30—02:45 PM	<p>Dr. Shinawar Waseem Ali <i>Specialization: Food Sciences</i> <i>University of the Punjab, Lahore</i> Functional And Nutraceutical Potential of <i>Moringa Oleifera</i> as A Natural Additive in Foods</p>
02:45—03:00 PM	<p>Dr. Ell Moll <i>Specialization: Chemistry</i> <i>Lebanese University, Lebanon</i> Eco-Innovation and Sustainable Technologies to Provide Solutions to Environmental Problems: Advantages and Challenges</p>
03:00—03:15 PM	<p>Dr. Khizar Hayat Bhatti <i>Specialization: Botany</i> <i>University of Gujrat, Gujrat</i> Antibacterial, Antifungal Activity and Phytochemical Characterization of Citrus Fruit Peel and Pulp</p>
03:15—03:30 PM	<p>Prof Digvir S. Jayas <i>Specialization: Food Biotechnology</i> <i>University of Manitoba, Canada</i> Recent Trends in The Food Industry</p>
03:30—03:45 PM	<p>Dr. Muhammad Adil Mansoor <i>Specialization: Chemistry</i> <i>National University of Sciences & Technology, Islamabad</i> One-Step Fabrication of Photoelectrode Thin Films for Efficient Oxidation of Water</p>
03:45—03:55 PM	<p>Usman Wajid <i>Specialization: Basic & Applied Chemistry</i></p>



AMERICAN
SOCIETY FOR
MICROBIOLOGY



RAFIQ TRADERS
Small in Chemicals, Lab
equipment & related items

	<i>University of Central Punjab, Lahore</i> Clinical Significance of Serum Prostate- Specific Antigen in Prostate Cancer Patients and Its Relationship with Hypercholesterolemia
03:55—04:10 PM	Nehal Rana <i>Specialization: Basic & Applied Chemistry</i> <i>University of Central Punjab, Lahore</i> Discovery of Hydrazone Derivatives as Potent Inhibitors of Beta Secretase 1 For the Management of Alzheimer's Disease
4:10 — 4:20 PM	Amina Munir <i>Specialization: Biotechnology</i> <i>University of Management & Technology, Lahore</i> Computational Analysis of Toxins as Therapeutic Agents Against Tumor Associated Antigens
04:20—04:35 PM	Sunaina Shafiq <i>Specialization: Food science & technology</i> <i>Government College University, Faisalabad</i> Fortification of Avocado Pear Blend in Weaning Diet
04:35—04:45 PM	Iqra Aslam <i>Specialization: Food Science & Nutrition</i> <i>University of Veterinary & Animal Sciences, Lahore</i> The Impact of Germination on Phytate Hydrolysis, Mineral Bio-Accessibility and Amino Acid Composition of Lentil (<i>Lens Culinaris Medik</i>)
04:45—05:00 PM	Dr. Pervez Anwar <i>Specialization: Biochemistry</i> <i>University of Sialkot, Sialkot</i> Potential Of Olive Oil, From Wild Olives (<i>Olea Ferruginea</i>) Collected and Extracted In Pakistan

Technical Session C (Parallel session)
Venue: Conference Room A Building
Themes: Mathematics & Physics

Session Chairs:

Prof. Dr. Ghazala, University of the Punjab
Prof. Dr. Muhammad Rafiq Namal University, Mianwali
Dr. Naveed Afzal, Government College University, Lahore

Chief Moderator:

Prof. Dr. Shahid S. Siddiqi

Moderator:

Ms. Huda Noor & Dr. Madiha Khan

Time	Speakers Detail
02:00—02:25 PM	Dr. Samina Mazhar <i>Specialization: Mathematics</i> <i>University of Education, Lahore</i> Enhancing Medical Diagnostic Models Using Complex Fuzzy Relation Compositions: Implication Operators and Max-Product Techniques
02:25—02:50 PM	Dr. Taj Munir <i>Specialization: Numerical in Applied mathematics</i> <i>Jiangsu University, China</i> Stability and Conservation Properties For Coupled Interface-Valued Problem
02:50—03:15 PM	Dr. Naveed Afzal <i>Specialization: Physics</i> <i>Government College University, Lahore</i>



AMERICAN SOCIETY FOR MICROBIOLOGY



RAFIQ TRADERS
Dwell in Chemicals, Lab equipment & related items

	Metal Oxide Semiconductors for Photodetection Application: Fabrication and Characterizations
03:15—03:45 PM	Prof. Dr. Muhammad Rafiq <i>Specialization: Mathematics</i> <i>Namal University, Mianwali</i> Predicting the Unpredictable: Instabilities in Non-Linear Chaos
03:45—04:00 PM	Muhammad Zia Afzal <i>Specialization: Mathematics</i> <i>University of Central University of the Punjab, Lahore</i> A Comparison of Optimizers in a PyTorch based Artificial Neural Network to Predict Normal Boiling Points of Alkanes
04:00—04:15 PM	Ayesha Noor <i>Specialization: Applied Mathematics</i> <i>Islamic International University, Islamabad</i> Diagnostic Classification of Chest X-Ray Images: A Comparative Analysis Using Convolutional Neural-Networks
04:15—04:45 PM	Prof. Dr. Ghazala <i>Specialization: Mathematics</i> <i>University of the Punjab, Lahore</i> Extraction of Traveling Wave Solutions Of Resonant Nonlinear Schrödinger Equation With Different Nonlinearities
04:45—05:00 PM	Dr. Imran Asjad <i>Specialization: Fluid dynamics</i> <i>University of Management & Technology, Lahore</i> Applications of Nanofluids In Industry And Engineering Coupled with Heat And Mass Transfer



AMERICAN
SOCIETY FOR
MICROBIOLOGY



RAFIQ TRADERS
Deals in Chemicals, Lab
equipment & related items



FACULTY OF SCIENCE & TECHNOLOGY
UNIVERSITY OF CENTRAL PUNJAB

International Conference on Emerging Horizons of Science and Technology (ICEHST-2024)
November 21-22, 2024



Faculty of Science and Technology
University of Central University of the Punjab
SCIENTIFIC PROGRAM



Friday, November 22, 2024 (Day 02)

Technical Session A

Venue: Main Auditorium

Themes: Biotechnology, Microbiology & Zoology

Session Chairs:

Prof. Dr. Hamid Mukhtar, Government College University
Dr. Mohammad Perwaiz Iqbal, University of Management & Technology
Dr. Tariq Aziz, University of Ioannina, Greece

Chief Moderator:

Dr. Aatif Amin

Moderator:

Ms. Anum Tahir & Dr. Shazia Imtiaz

Time	Speaker Details
09:00—09:15 AM	Dr. Muhammad Sajjad <i>Specialization: Biotechnology</i> <i>University of the Punjab, Lahore</i> Protein Engineering of Alpha-Amylase from Hyperthermophilic Archaeon, <i>Methanocaldococcus Jannaschii</i> for Improved Activity
09:15—09:30 AM	Maryam Hamayoun <i>Specialization: Biological Sciences</i> <i>University of the Punjab, Lahore</i> Nanomaterials: Its Role In Food Industry And Potential Health Risks
09:30—09:45 AM	Prof. Dr. Imtiaz Rabbani <i>Specialization: Zoology</i> <i>University of Veterinary & Animal Sciences, Lahore</i> Electrophysiology: From Search to Research
09:45—09:55 AM	Arooj Arshad <i>Specialization: Biotechnology</i> <i>University of Central Punjab, Lahore</i> In Silico Screening of Thiazolide Derivatives And AI-Enhanced Optimization of A Lead Compound Targeting Sars-Cov-2 Nucleocapsid Protein
9:55—10:10 AM	Dr. Muhammad Sohail Afzal <i>Specialization: Biotechnology</i> <i>University of Management & Technology, Lahore</i> Exploring the Dynamics of COVID-19: Epidemiology and Infectivity
10:10—10:25 AM	Prof. Dr. Iahtasham Khan <i>Specialization: Microbiology</i> <i>University of Veterinary & Animal Sciences, Lahore</i> Prevalence And Risk Factors of Brucellosis and Q Fever In Yaks in Southeast Asia
10:25—10:40 AM	Dr. Mohammad Perwaiz Iqbal <i>Specialization: Microbiology</i> <i>University of Management & Technology, Lahore</i> Challenges of Dengue and Mitigation Strategies



AMERICAN SOCIETY FOR MICROBIOLOGY



RAFIQ TRADERS
Deals in Chemicals, Lab equipment & related items

10:40—11:00 AM	<p>Prof. Dr. Hamid Mukhtar <i>Specialization: Biotechnology</i> <i>Government College University, Lahore</i> Green Synthesis of Biodiesel Through Transesterification of Non-Conventional Oils Using Nano-Biocatalysts</p>
Tea Break (11:00 am To 11:30 am)	
<p>Technical Session A Venue: Main Auditorium Themes: Biotechnology, Microbiology & Zoology</p>	
<p>Session Chairs: Dr. Imran Tipu, University of Management & Technology Dr. Syed Zeeshan Haider, University of Lahore Chief Moderator: Dr. Tanzeela Riaz Moderator: Ms. Anum Tahir & Dr. Shazia Imtiaz</p>	
11:30—11:45 AM	<p>Bushra Syed <i>Specialization: Biotechnology</i> <i>University of Karachi, Karachi</i> Xanthan Gum Production by Xanthomonas Campestris: The Impact Of Physiochemical Parameters</p>
11:45—11:55 AM	<p>Adeeba Ali <i>Specialization: Biotechnology</i> <i>University of the Punjab, Lahore</i> A Comparative Study to Evaluate the Degradation Potential Of Escherichia Coli Against Toxic Disperse Dyes Through Molecular Docking And Interaction Analysis</p>
11:55—12:05PM	<p>Sarah Zubair <i>Specialization: Microbiology</i> <i>University of Central Punjab, Lahore</i> Antibacterial Activity of Silver Nanoparticles Fabricated Polyvinylpyrrolidone-Based Hydrogels in Wound Healing</p>
12:05—12:15 PM	<p>Maida Salah Ud Din <i>Specialization: Biotechnology</i> <i>University of Central Punjab, Lahore</i> Exploring the Toxicity of Atrazine on Human Androgen Receptor and Its Fungal Bioremediation Through Manganese Peroxidase</p>
12:15— 12:25 PM	<p>Muhammad Asim <i>Specialization: Biotechnology</i> <i>University of Central Punjab, Lahore</i> Computational Repurposing Of FDA-Approved Drugs Targeting RNA-Dependent RNA Polymerase of Lassa Virus</p>
12:25—12:35 PM	<p>Nimra Arshad <i>Specialization: Microbiology</i> <i>University of Central Punjab, Lahore</i> Evaluation of In-Vitro and In-Vivo Antimicrobial Activity of Copper Oxide Nanoparticles Against Multidrug Resistant Klebsiella Pneumoniae</p>
12:35—12:45 PM	<p>Farrakh Ali Abbas <i>Specialization: Biotechnology</i></p>



AMERICAN SOCIETY FOR MICROBIOLOGY



RAFIQ TRADERS
Dwell In Chemicals, Lab
equipment & related items

	<i>University of Sargodha, Sargodha</i> Impact Of Gene-Smoking Interaction on Risk of Atherosclerosis: Molecular Study of Prothrombin (F2) Gene Rs1799963 G/A Polymorphism in Cardiovascular Patients
12:45—12:55 PM	Azeem Azam <i>Specialization: Zoology</i> <i>University of the Punjab</i> Chitosan Based Biomaterials for Wound Healing Potential in Mice
12:55—01:05 PM	Malaika Ajaz <i>Specialization: Biotechnology</i> <i>University of Central Punjab, Lahore</i> Unveiling The Future of Wastewater Treatment with Nano technology
01:05—01:15 PM	Gull-e-lalah Saleem <i>Specialization: Biotechnology</i> <i>Forman Christian College, University</i> Benign And Conserved DNA Variants M.8860A&Gt; G AND M.8701A&Gt; G Indicating Mitochondrial Genetic Drift in Pakistani Population

Lunch and Jumma Prayer Break (01:15 pm To 02:30 pm)
B Building Courtyard

Technical Session B (Parallel Session)
Venue: Webinar room C Building
Themes: Chemistry, Biochemistry & Food Sciences

Session Chairs:

Prof. Dr. Sanaullah Iqbal, University of Veterinary and Animal Sciences

Dr. Muhammad Zubair, University of Gujrat

Chief Moderator:

Dr. Kanza Awan

Moderator:

Dr. Numrah Anwar & Dr. Akhtar

Time	Speaker Details
09:00—09:15 AM	Dr. Ataf Ali Altaf <i>Specialization: Chemistry</i> <i>University of Okara, Okara</i> Covalent Organic Frameworks (Cofs) For the Efficient Ions Separation
09:15—09:30 AM	Dr. Muhammad Zubair <i>Specialization: Chemistry</i> <i>University of Gujrat, Gujrat</i> Antioxidants: Dietary Molecular Defense System Against Silent Health Antagonist
09:30—09:45 AM	Prof Dr. Salprima Yudha S <i>Specialization: Chemistry</i> <i>University of Bengkulu, Indonesia</i> Oil Palm Leaves as A Silica Source for Lab's Materials and Agriculture Application
09:45—10:00 AM	Dr. Sanabil Yaqoob <i>Specialization: Food Sciences</i> <i>Jiangsu University, China</i> Multi-Frequency Sono-Fermentation with Mono and Co-Cultures of Lab Synergistically Enhance Mulberry Juice: Evidence From Metabolic, Micromorphological, Sensorial, and Computational Approaches
10:00—10:15 AM	Dr. Rahman Shah Zaib Saleem <i>Specialization: Biochemistry</i> <i>University College London (UCL), England</i> Novel Hit Discovery for Dengue Virus (DENV) RNA-Dependent RNA Polymerase (Rdrp)



AMERICAN SOCIETY FOR MICROBIOLOGY



RAFIQ TRADERS
Dwell In Chemicals, Lab equipment & related items

10:15—10:25 AM	Maryam Javed <i>Specialization: Food Science & Technology</i> <i>University of Karachi, Karachi</i> Green Technology: Clitoria Ternatea Anthocyanin-Based Films Redefining Meat Freshness Detection
10:25—10:35 AM	Shumaila Ibrahim <i>Specialization: Biotechnology</i> <i>University of Central Punjab, Lahore</i> Comparative Molecular Docking Analysis of Lamiaceae-Derived Phytochemicals as An Efficient Drug Candidate Targeting Biotin Synthase Protein Present in Mycobacteroides Abscessus Bacterium Causing Nontuberculous Mycobacterial Infections
10:35—10:45 AM	Aisha Nawaz <i>Specialization: Biochemistry</i> <i>University of Central Punjab, Lahore</i> Isolation and Characterization of a Flavonoid and a Neolignan from <i>Silybum Marianum</i>: In-Vitro Cytotoxic Evaluation
10:45—11:00 AM	Prof. Dr. Sanaullah Iqbal <i>Specialization: Food Sciences</i> <i>University of Veterinary & Animal Sciences, Lahore</i> Need For Research and Evidence-Based Data for Nutrition Education: An Example Of Olive Leave Tea

Tea Break (11:00 am To 11:30 am)

Technical Session B (Parallel Session)

Venue: Webinar room C Building

Themes: Chemistry, Biochemistry & Food Sciences

Session Chairs:

Prof. Dr. Saba Irshad, University of the University of the Punjab

Dr. Ataf Ali Altaf, University of Okara

Chief Moderator:

Dr. Sumera Zaib

Moderator:

Dr. Namrah Anwar & Dr. Akhtar

11:30—11:45 AM	Lateef Ullah <i>Specialization: Biochemistry</i> <i>University of Central Punjab, Lahore</i> Design And Evaluation of Propanehydrazide Derivatives as Lipoxygenase Inhibitors For Anti-Inflammatory and Anticancer Therapy
11:45—12:00 PM	Tuba Fatima <i>Specialization: Food Sciences</i> <i>University of Central Punjab, Lahore</i> Antioxidant Powerhouse: A Nutritional Study of Falsa Jam
12:00—12:15 PM	Fatimah Shahid <i>Specialization: Food Sciences</i> <i>University of Central Punjab, Lahore</i> Relationship Between Diet and PCOS Symptom Severity in Young Women
12:15—12:30 PM	Zahid Bashir <i>Specialization: Food Sciences</i> <i>University of Central Punjab, Lahore</i> Plant-Based Insulin: Harnessing Nature's Pharmacy for Diabetes Management
12:30—12:45 PM	Maria Haris <i>Specialization: Food Sciences</i> <i>University of Central Punjab, Lahore</i> Assessing The Dietary Habits and Associated Health Risks to the Pregnant Women



AMERICAN SOCIETY FOR MICROBIOLOGY



RAFIQ TRADERS
Deals In Chemicals, Lab equipment & related items

	Residing In Slummy Areas Of Faisalabad
12:45—01:00 PM	Maha Hanif <i>Specialization: Food Sciences</i> <i>University of Central Punjab, Lahore</i> Development and Evaluation of Apple Peel Powder Infused Barley Flour Cupcakes
1:00-----1:15PM	Ayesha Fazal <i>Specialization: Food Sciences</i> <i>University of Central Punjab, Lahore</i> Bioactive Compounds and Health Benefits of Quinoa: A Novel Functional Ingredient In Food Product
Lunch Break (01:15 pm To 02:30 pm)	
B Building Courtyard	



Technical Session C (Parallel Session)
Venue: Conference room A Building
Themes: Mathematics & Physics

Session Chairs:

Prof. Dr. Muhammad Riaz, University of the Punjab, Lahore
 Dr. Hifsa Shahid, University of Engineering & Technology, KSK

Chief Moderator:

Prof. Dr. Syed Karrar Haider

Moderator:

Ms. Huda Noor & Dr. Madiha Khan

Time	Speaker's detail
09:00—09:15 AM	Yasir Yaseen <i>Specialization: Mathematics</i> University of the Punjab, Lahore A Systematic Investigation of MABAC with Gaussian Membership Function for Optimizing Water Quality
09:15— 09:30 AM	Lala Rukh <i>Specialization: Mathematics</i> University of Management & Technology, Lahore Applications of Machine Learning: Breast Cancer Analysis
09:30—09:45 AM	Dr. Hifsa Shahid <i>Specialization: Physics</i> University of Engineering and Technology, KSK Employing Ultraviolet Portion of the Solar Spectrum for Green Energy Generation in Terrestrial And Extraterrestrial Applications
09:45—10:00 AM	Umair Asghar <i>Specialization: Mathematics</i> University of Management & Technology, Lahore Novel Soliton Solutions of Liquid Drop Model Appear in Fluid Dynamics and Modulation Instability of Dynamical System
10:00—10:15 AM	Najma Yousaf <i>Specialization: Applied Mathematics</i> Federal Directorate of Education, Islamabad 3-Absorbing And Weakly 3-Obsorbing Ideals in A Commutative Semi-Ring
10:15—10:30 AM	Shiekh Zain Majid <i>Specialization: Mathematics</i> University of Management & Technology, Lahore Solitary Travelling Wave Profiles to The Nonlinear Generalized Calogero–Bogoyavlenskii–Schiff Equation and Dynamical Assessment
10:30—10:45 AM	Bacha Khan <i>Specialization: Mathematics</i> University of Management & Technology, Lahore Proper Edge Coloring of Direct Product of Fuzzy Path and Fuzzy Star Graphs
10:45—11:00 AM	Prof. Dr. Muhammad Riaz <i>Specialization: Mathematics</i> University of the Punjab, Lahore Artificial Intelligence with Fuzzy Optimization

Tea Break (11:00 am To 11:30 am)

Technical Session C (Parallel Session)
Venue: Conference room A Building
Themes: Mathematics & Physics

Session Chairs:

Dr. Saraj Khan, University of Management Sciences Lahore Dr. Faiza Azhar, University of Management Sciences Lahore Chief Moderator: Prof. Dr. Syed Karrar Haider Moderator: Ms. Huda Noor & Dr. Madiha Khan	
11:30—11:40AM	Toqeer Jameel <i>Specialization: Mathematics</i> <i>University of the Punjab, Lahore</i> Sustainable Renewable Energy Systems with Entropy Based Step-Wise Weight Assessment Ratio Analysis and Combined Compromise Solution
11:40—11:50 PM	Mahnoor Naveed <i>Specialization: Mathematics</i> <i>University of the Punjab, Lahore</i> Bernstein Bezier Form for Designing Curves and Surfaces
11:50—12:00 PM	Inayat Karim <i>Specialization: Mathematics</i> <i>University of Management & Technology, Lahore</i> Chromatic Analysis of Direct Products of Fuzzy and Cyclic Fuzzy Graphs
12:00—12:20 PM	Dr. Usman Afzal <i>Specialization: Mathematics</i> <i>University of Management & Technology, Lahore</i> Optimizing Agricultural Futures: A Multi-Criteria Decision-Making Approach
12:20—12:25 PM	Aimin Fatima <i>Specialization: Mathematics</i> <i>University of Management & Technology, Lahore</i> Entropy Generation of Sutterby Fluid Flow Over Strehed Surface in a Porous Medium
12:30—12:45 PM	Abdul Wahab <i>Specialization: Mathematics</i> <i>University of Management Sciences, Lahore</i> A Robust Algorithmic Framework for the Evaluation of International Cricket Batters In Odi Format Based On Q-Rung Linguistic Neutrosophic Quantification
12:45—01:00 PM	Dr. Saraj Khan <i>Specialization: Mathematics</i> <i>University of Management & Technology, Lahore</i> Innovative Thermal Management in The Presence of Ferromagnetic Hybrid Nanoparticles
01:00—01:15 PM	Dr. Faiza Azhar <i>Specialization: Mathematics</i> <i>University of Management & Technology, Lahore</i> Generalized Harmonic Convexity with Applications in The Theory of Inequalities
Lunch Break (01:15 pm To 02:30 pm) B Building Courtyard	
Concluding Ceremony (2:30 PM to 3:30 PM) Venue: Main Auditorium	
2:30—2:35 PM	Arrival and Sitting of Guests
2:45-2:55 PM	Recitation of Quran-e-Hakeem and National Anthem
2:55—3:05 PM	Conference Reflection by Focal Person ICEHST-2024, Dr Muhammad Naveed
3:05—3:15 PM	Address by Guest of honor, Dr. Hammad Naveed, Pro-rector UCP
3:15—3:25 PM	Address by Chief Guest Prof. Dr. Muhammad Wajid, Vice Chancellor, University of Okara
3:25—3:35PM	Vote of Thanks, Convener ICEHST-2024, Prof. Dr. Muhammad Akhyar Farrukh, Dean, Faculty of Science and Technology, UCP
3:35—3:50 PM	Distribution of Certificates

