

Conference Track “Health and Life Sciences”
16 July 2025
Track Chair: Dr. Lalita Ambigai Sivasamugham
Assistant Track Chairs: Assoc. Prof. Dr. Chang Sook Keng, Dr. Nadia Abdul Shukor

*Instructions to presenters: 8-min presentation and 2-min Q and A. A max of 10-15 slides.

Parallel Session : 10.30am – 12pm MYT

[Track 1](#)

Venue: Meeting Room 1, Level 4

Moderator (s): Assoc. Prof. Dr Chang Sook Keng, Ms Nur Anisah Abdul Karim

10.30am -10.45am	Keynote Speaker 1: Associate Professor Dr Iftikhar Ali <i>Preparative separation of chemical constituents from Shilajit (Asphaltum) by an efficient inner-recycling high-speed counter-current chromatography mode and their molecular docking studies</i>
10.50am – 11.05am	Keynote Speaker 2: Assoc Prof Dr Partha Pratim Dutta <i>Ethnobotanical Treasures of the Sub-Himalayas: Towards Sustainable Therapeutics</i>
11.10am – 11.25am	Keynote Speaker 3: Dr. Lalita Ambigai Sivasamugham <i>M2M: The revolution of bacteria in food sustainability</i>
11.25am – 11.35am	Professor Dr S. Siva Sathya <i>Mobile-based application for streamlining surgical safety checklist and automated wrong person surgery detection.</i>
11.35am – 11.45am	Assoc Prof Dr Sajjad Hyder <i>Green synthesis of silver nanoparticles using guava leaves: an effective strategy to control chilli fruit rot disease</i>
11.45am – 11.55am	Mr Sabaris J <i>Cloud-Based Predictive Health Risk Assessment</i>

11.55am – 12.05pm	Ms Muthulakshmi M <i>Zeaxanthin from Dunaliella salina: A Natural shield against Oxidative Stress, Infections, and Cancer</i>		
12.05pm – 12.30pm	LUNCH BREAK		
12.30pm – 3pm MYT	Concurrent Sessions Tracks 1a, 1b and 1c		
Track 1a Venue: Meeting Room 1, Level 4 Moderator (s): Assoc Prof. Dr Jayanthi, Dr. Rabiatul		Track 1b Venue: FHLS Meeting Room Moderator (s): Dr. Nadia Abdul Shukor, Dr. Lalita Ambigai	
Track 1c Venue: Faculty Room, 3A3-2 Moderator (s): Prof Dr Geetha Subramaniam			
12.30pm – 12.40pm	Dr.B. Kalpana <i>CONVERTING THE NUTRITIONAL COMPONENTS PRESENT IN THE ORGANIC WASTE INTO ANIMAL FEED MATERIAL BY SOLID WASTE MANAGEMENT SYSTEM</i>	Professor Dr Huma Shareef <i>From root to research: advancing herbal medicine through molecular biology</i>	Romaisa Hareem <i>Health Risk Assessment of Toxic Metals in Vegetables Grown in Tehsil Dera Ghazi Khan, Punjab</i>
12.40pm – 12.50pm	Mr. Gopinath <i>OXIDATIVE STABILITY STUDIES OF ALGAL OIL USING DIFFERENT NATURAL ANTIOXIDANTS</i>	Ms. Lee Li Ting <i>Directed Evolution of AtMP2 Peptide: Unlocking Enhanced Antibacterial Potential from Anabas testudineus</i>	Asif Iqbal <i>Nitrogen Removal and Bioelectricity Production of Two UASB-Anammox-Microbial Fuel Cells (UAMs) With Ambient and Control Temperature</i>
12.50pm – 1.00pm	Ms Malathi T <i>Advance health surveillance system leveraging ensemble learning techniques</i>	Mr Arnold Ang Yong Xi <i>in-silico Directed Evolution of AtMP1 Peptide: Unlocking Enhanced Anticancer Potential From Anabas testudineus</i>	Mahzaib Abbasi <i>Orange Peel-Mediated Synthesis of Silver Nanoparticles: A Green Antimicrobial Approach for Health Applications</i>

1.00pm – 1.10pm	<p>Hammad Zaki S</p> <p><i>Cloud Based Plant Disease Detection System Using Image Recognition</i></p>	<p>Dr Ibrahim Mahmood Mahdi</p> <p><i>Association Between Fasting Plasma Glucose Levels and Mortality in Non-Diabetic COVID-19 Patients: A Retrospective Study from Baghdad, Iraq</i></p>	<p>Saeed Rehman</p> <p><i>Eco-friendly Nitrogen-Doped Double Mineral-Carbon for Catalytic Degradation of Diethyl Phthalate and Mitigation of Crop Damage</i></p>
1.10pm – 1.20pm	<p>Mr Wong Koe Wei</p> <p><i>Public Perception and Consumption Rate of Water Spinach (Ipomoea aquatica) among Malaysian Adult Population: Basis for Future Human Health Risk Assessment</i></p>	<p>Dr. Arnab Sarkar</p> <p><i>Non-Invasive Diabetes Detection Using ZnO-ZnS Core-Shell Nanostructured Acetone Sensor with AI-Enhanced VOC Selectivity</i></p>	<p>Elvis Nfor Elvis</p> <p><i>Modified TiO₂ Photocatalyst-Loaded Concrete Pellets for Bacterial Inactivation</i></p>
1.20pm – 1.30pm	<p>Associate Professor Dr Erum Dilshad</p> <p><i>Polyphenols of Cichorium intybus against liver cancer targeting Rho A protein</i></p>	<p>Dr. Daisy Sharma</p> <p><i>Exploring Indigenous Food Systems, Ethnobotanical Knowledge, and Folk Practices Among the Karbi and Tiwa Tribes of West Karbi Anglong, Assam</i></p>	<p>Hafiz Muhammad Naeem</p> <p><i>Quantifying the Emission Dynamics of Key Air Pollutants from Forest Fires and Identifying potential Public Health Risk: A Case Study from KP, Pakistan</i></p>
1.30pm – 1.40pm	<p>Ms Urmi Bhakta</p> <p><i>Bioactive ingredients from Nature: A Greener Approach towards Green Medicine</i></p>	<p>Dr. Devabrata Saikia</p> <p><i>Characterization of Indigenous Lactic Acid Bacteria from Traditionally Fermented Milk (Doi) of Majuli, Assam for Probiotic and Bio-protective Applications</i></p>	<p>Bibi Saima Zeb</p> <p><i>Assessment of Public Health Affected by Inadequate Water and Poor Sanitation in Selected Villages of Tehsil Tanawal, District Mansehra</i></p>

1.40pm – 1.50pm	Dr Effat Sitara <i>SYNTHESIS AND CHARACTERIZATION OF MoS₂/SnO₂ NANOCOMPOSITE FOR LEVOFLOXACIN DEGRADATION</i>	Dr. Jasmin Islam <i>Effect of storage on quality characteristics of value added products incorporating Passiflora quadrangularis</i>	Habiba Zafar <i>Enhanced Biodegradation of Diesel Oil using Immobilized Bacterial Cells</i>
1.50pm – 2.00pm	Ms Iora Majumder <i>NATURAL PRODUCTS : A SOURCE OF ALTERNATIVE MEDICINE WITH REFERENCE To ANCIENT MEDICAL LITERATURE</i>	Mr. Jyotirmoy Bhattacharyya <i>EVALUATION OF ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES OF GREEN SYNTHESIZED SILVER NANOPARTICLES USING SPONDIAS PINNATA LEAF EXTRACT</i>	Farhan Hafeez <i>Global Climatic Changes Impair N Cycling Across Various Soil Ecosystems of Lesser Himalaya</i>
2.00pm – 2.10pm	Fabian Miller <i>ASSESSING IRON DEFICIENCY AND ANAEMIA IN JAMAICAN COLLEGIATE ATHLETES: A SUSTAINABLE HEALTH MONITORING APPROACH IN SPORTS SCIENCE</i>	Dr. Radali Duarah <i>IN VITRO EFFICACY STUDY OF DIGESTIVE MIX DEVELOPED FROM MINOR FRUIT FORMULATION</i>	Ayesha Hassan <i>Assessing the Safety of Bio-Digestate as Soil Amendment: Pathogen Load and Human Health Risks</i>
2.10pm – 2.20pm	Associate Professor Dr. Sajjad Ali <i>Efforts towards Synthesis of Stem Cells' Growth Agonists</i>	Dr. Ritismita Devi <i>The Future of Biofuels: Unlocking Bamboo's Potential</i>	Kamran Ali Khan <i>A Comparative Start-up Study of Anammox System with and without Moringa oleifera Extract for Nitrogen Rich Wastewater Treatment</i>
2.20pm – 2.30pm	Prof Dr Puniethaa Prabhu <i>An In Silico Insight For Comparative Genome Analysis</i>	Dr. Tabuiliu Abonmai	Mubashra Bashir

	<i>Of Sars-Cov-2 From Different Geographical Locations And The Effect Of Mutations On Major Target Proteins</i>	<i>Characterization of Nutritional and Physicochemical Properties of Upland Red Rice Cultivars from Manipur</i>	<i>Photocatalytic Disinfection of Bacteria using Metal Integrated TiO₂ under Visible Light</i>
2.30pm – 2.40pm	Dr. Pavithra R <i>A Study on the Challenges of Prenatal and Postnatal Healthcare for Women in Bangalore City</i>	Mr Mane Satyajeet Jaysing <i>Maize (zea mays l.) diversity study by utilization of intern simple sequence repeat (ISSR) marker</i>	Sundas Mehreen <i>Evaluating the Impact of Billion Tree Afforestation Project on Land Use Land Cover and Soil Properties in Hazara Division</i>
2.40pm – 2.50pm	Asst. Prof. Dr. Satyabrat Sarma <i>Integrated HR-LCMS and Molecular Docking Approach for Phytochemical Profiling and In Vitro Assessment of Analgesic and Anti-inflammatory Activities of Fermented Shoots of Bambusa</i>	Dr Nasurullah Qureshi <i>Sustainable Water Management in Masjid: Aligning Faith, Technology, and Environmental Responsibility</i>	Rifsha Naseem <i>Presence of Toxic Metals in Dairy Products Around the Globe</i>
2.50pm – 3.00pm	Mr Afreed Mahamed <i>IOT BASED IV BAG MONITORING SYSTEM USING BLYNK APP</i>		Midhat Rahim <i>Determination of Toxicants Released from Plastic Feeding Bottles and Possible Health Risks in Infants</i>

