# GLOBAL CONGRESS ON SUSTAINABLE GROWTH & DEVELOPMENT




**Theme: Achieving Sustainable Development Goals through Global Collaboration**

# PROGRAMME BOOKLET

## 23 OCTOBER 2026

**Aligned** with the Sustainable Development Goals (SDGs), this global congress seeks to identify key synergies and trade-offs between the goals to inform a new science-policy initiative. Our mission is time-sensitive: as we advance digitally, we confront interconnected crises in climate, biodiversity, food and water security, and human health. These challenges represent the defining threat of our time. Academic, industrial, and research institutions therefore have a critical responsibility to unite, research solutions, and raise awareness to bequeath a sustainable world to future generations.

Global Congress on Sustainable Growth & Development (GCSGD) 2026 aims to:

- Bring together experts and researchers to present and share their expertise, knowledge, and research findings on sustainability and growth.
- Stimulate and strengthen interdisciplinary research links among participants and stakeholders worldwide to take the bold and transformative steps to shift the world to a sustainable and resilient path.

## Main theme

### Theme: Achieving Sustainable Development Goals through Global Collaboration

The scope of this conference includes but is not limited to sustainable biosciences for global health and ecosystem preservation, innovative health and life sciences for societal well-being, sustainable engineering for system, infrastructure, and climate resilience, digital innovation for sustainable development and inclusive growth, and sustainable management for responsible governance and economic equity. The conference will address these specialized fields through the following tracks:

- Medical & Health Sciences
- Biological & Environmental Sciences
- Engineering & Information Technology
- Business, Management & Education

All the accepted papers will be submitted to Scopus-indexed journals and INTI Journal to be considered for publication after peer review.

## Welcome Message from GCSGD2026 Advisor



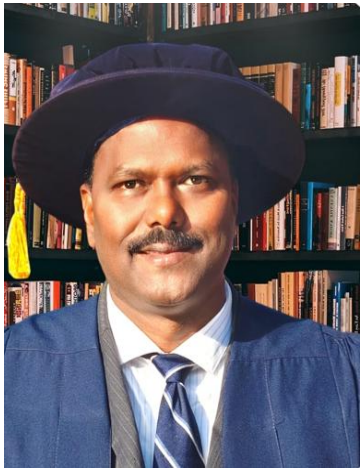
The urgency of achieving sustainable growth and development has never been greater. As our global population surpasses 8 billion, carbon emissions hover at critical levels, waste continues to accumulate, and vital clean resources deplete at an alarming rate, taking collective action to address the pressing challenges facing our planet is needed. It is deeply inspiring to witness the steadfast dedication of researchers worldwide who are tirelessly advancing knowledge across health sciences, life sciences, engineering, information technology, education, and management. Building on the remarkable momentum of our previous congresses from 2020 through 2025—which engaged more than 700 scientific presenters and 1000 participants —we are proud to convene our 7th annual Global Congress today in a hybrid format for 2026.

This year, we are proud to highlight roughly 290 scientific presentations showcasing groundbreaking research and solutions from all the submissions. We are also pleased to announce that the INTI Journal and several Scopus indexed journals continue their valued partnership with us, supporting the publication of exceptional papers presented throughout this congress.

We extend our sincere gratitude to the Einstein Research Academy for organizing this impactful event and to INTI International University for hosting us once again. Our heartfelt thanks go out to our esteemed committee members, co-organizers, and fellow presenters whose diligent efforts have brought this congress to fruition. Reflecting on our shared accomplishments, we look forward with great confidence and excitement to convening GCSGD once again in 2027.

**Prof. Ts. Dr. Wong Ling Shing**
*Pro Vice Chancellor, INTI International University*
*President, Einstein Research Academy (ERA)*

## Welcome Message from GCSGD2026 Conference Chair



On behalf of the organizing committee, it is our prodigious honor to invite and welcome everyone to the "Global Congress on Sustainable Growth and Development 2026 (GCSGD2026)". This global congress is organized by Einstein Research Academy and hosted by INTI International University.

This event aims to bring together academicians and world experts to present and share their expertise, knowledge, and research findings related to sustainability and growth. Additionally, it seeks to motivate and strengthen interdisciplinary research links among researchers and stakeholders worldwide, encouraging them to take bold and transformative steps towards shifting the world onto a sustainable and resilient path.

As the organizing chair of this event, I would like to thank the organizer, host, co-organizers, distinguished speakers, moderators, scientific session chairs, scientific reviewers, and all the presenters for making this event successful. Further, I am indebted to all the members of the organizing committee for their obligation and meticulousness to make this event memorable and successful.

**Assoc. Prof. Dr. Sinouvassane Djearamane**
*Universiti Tunku Abdul Rahman*
*Secretary General, Einstein Research Academy (ERA)*

*“We do not inherit the earth from our ancestors;*
*We borrow it from our children…”*




***GLOBAL CONGRESS ON SUSTAINABLE GROWTH AND DEVELOPMENT - GCSGD2026***

***Theme:*** *Achieving Sustainable Development Goals through Global Collaboration*

# EVENT SCHEDULE OF GCSGD2026

| TIME<br>MYT—MALAYSIAN STANDARD TIME<br>IST—INDIAN STANDARD TIME | 23 OCTOBER 2026, FRIDAY<br>Master of the Ceremony: Ms. Tan Foong Ping | VENUE/LINK FOR SESSIONS |
|---|---|---|
| **08.30 – 09.00 AM (MYT)**<br>**06.00 – 06.30 AM (IST)** | **Arrival of the guests and registration/Channel open to the participants** | **All Participants**<br><br>**VENUE:**<br><br>**Physical: B1 L02, INTI International University, Malaysia**<br><br>**Virtual: [MS Teams]**<br>**Link to Join Main Session**<br>**Meeting ID: 448 821 077 979 076**<br>**Passcode: 73bn3Uw2** |
| **09.00 – 09.15 AM (MYT)**<br>**06.30 – 06.45 AM (IST)** | **OPENING CEREMONY**<br><br>**Welcome Address**: Prof. Dr. Wong Ling Shing, Advisor of GCSGD2026, President of Einstein Research Academy<br><br>**Remarks from Organizing Committee**: Assoc. Prof. Dr. Sinouvassane Djearamane, Organizing Chair of GCSGD2026, Secretary General of Einstein Research Academy<br><br>**PHOTO SESSION** | |
| **09.15 – 10.00 AM (MYT)**<br>**06.45 – 07.30 AM (IST)** | **PLENARY DISCUSSION 1:** Advancing Sustainable Development Goals with Multidisciplinary Research<br><br>**Plenary Panel:** Prof. Dr. T.G. Nithya<br>Prof. Dr. K. Santhi<br>Assoc. Prof. Dr. Tey Lai Hock<br>**Moderator:** Prof. Dr. Geetha a/p Subramaniam | |
| **10.00 – 10.30 AM (MYT)**<br>**07.30–08.00 AM (IST)** | **TEA BREAK** | |
| **10.30 AM – 11.15 AM (MYT)**<br>**08.00 – 08.45 AM (IST)** | **PLENARY DISCUSSION 2:** Fostering Academic Excellence via International Partnership<br><br>**Plenary Panel:** Prof. Dr. Uun Yanuhar<br>Prof. Dr. M. N. Kathiravan<br>Assoc. Prof. Dr. S. Shamina<br>**Moderator**: Prof. Dr. Douglas Law Sie Nguong | |

| TIME<br>MYT—MALAYSIAN STANDARD TIME<br>IST—INDIAN STANDARD TIME | KEYNOTES | |
|---|---|---|
| **11:15 AM – 12.30 PM (MYT)**<br>**08:45 - 10:00 AM (IST)** | **MEDICAL & HEALTH SCIENCES TRACK:**<br><br>**Moderator: Dr.** Sangeetha a/p Arullappan<br><br>**Keynote Speakers:** Prof. Dr. Geetha a/p Subramaniam<br>Assoc. Prof. Dr. D. Jayasheela<br>Assoc. Prof. Dr. D.J. Mukesh Kumar<br>Dr. S. Rathish Kumar<br>Dr. Kavithaa Krishnamoorthy<br>Dr. Pradeep Balakrishnan<br>Dr. A. Sivaranjini | **Physical: B4-02, INTI International University, Malaysia**<br><br>**Virtual: [MS Teams]**<br>**Link to Join Medical and Health Science Track**<br>Meeting ID: 443 368 182 633 917<br>Passcode: eY3Ep28A |
| **11:15 AM – 12.30 PM (MYT)**<br>**08:45 - 10:00 AM (IST)** | **BIOLOGICAL & ENVIRONMENTAL SCIENCES TRACK 1:**<br><br>**Moderator:** Assoc. Prof. Dr. Tey Lai Hock<br><br>**Keynote Speakers:** Prof. Dr. Ir. Herly Evanuarini, S. Pt., MP<br>Prof. Dr. Prakash Balu<br>Prof. Dr. M. Shanmugavadivu<br>Assoc. Prof. Dr. Balasubramanian Velramar<br>Dr. Megha Mahajan<br>Dr. Gogul Ramnath<br>Dr. F. Wasiya | **Physical: B4-03, INTI International University, Malaysia**<br><br>**Virtual: [MS Teams]** **Link to Join Biological & Environmental Science Track 1**<br>Meeting ID: 431 560 958 164 625<br>Passcode: aR9FN7n4 |
| **11:15 AM – 12.30 PM (MYT)**<br><br>**08:45 - 10:00 AM (IST)** | **BIOLOGICAL & ENVIRONMENTAL SCIENCES TRACK 2:**<br><br>**Moderator:** Assoc. Prof. Dr. Chang Sook Keng<br><br>**Keynote Speakers:** Prof. Dr. P. Chidambara Rajan<br>Prof. Dr. J.L. Prameena Sheeja | **Physical: B4-04, INTI International University, Malaysia**<br><br>**Virtual: [MS Teams]** |

| | | |
|---|---|---|
| | Assoc. Prof. Dr. R. Ranjithkumar<br>Assoc. Prof. Dr. David Jayaseelan<br>Dr. Anto Cordelia Tanislaus A. D.<br>Dr. P. Vanathi<br>Dr. S. Muthupandi | Link to Join Biological & Environmental Sciences Track 2<br>Meeting ID: 475 443 807 945 079<br>Passcode: fJ6yy69j |
| **11:15 AM – 12.30 PM (MYT)**<br><br>**08:45 - 10:00 AM (IST)** | **ENGINEERING, IT & MANAGEMENT TRACK:**<br><br>**Moderator:** Prof. Ir. Dr. Malathy Batumalay<br><br>**Keynote Speakers:** Prof. Dr. P. Naresh Kumar<br>Prof. Dr. R. Senthil Kumar<br>Assoc. Prof. Dr. Vijanth a/l Sagayan A.<br>Assoc. Prof. Dr. Ramesh Palanisamy<br>Dr. Vetriselvi Subash Chandra Bose<br>Dr. J. Martin Sam Gnanaraj<br>Dr. Madhan Padmanaban | **Physical: B4-05, INTI International University, Malaysia**<br><br>**Virtual: [MS Teams]** Link to Join Engineering, Information Technology & Management Track<br>Meeting ID: 411 016 283 384 408<br>Passcode: yt6Re7CL |
| **12.30 – 02.00 PM (MYT)**<br>**10:00 - 11:30 AM (IST)** | **LUNCH BREAK** | |
| **02.00 PM – 05.00 PM (MYT)**<br>**11.30 AM – 2.30 PM (IST)** | **TECHNICAL SESSIONS AND ORAL PRESENTATIONS**<br>***(Please refer to the arrangement of the technical sessions)*** | |
| **05.00 PM – 05.30 PM (MYT)**<br>**2.30 PM – 3.00 PM (IST)** | **Closing Session and Certificate Presentation** | |

# Technical Sessions

| MEDICAL & HEALTH SCIENCES TRACK 1 | |
|---|---|
| **Channel 1** | **[MS Teams]** LINK TO JOIN MEDICAL AND HEALTH SCIENCES TRACK 1<br>Meeting ID: 443 368 182 633 917<br>Passcode: eY3Ep28A<br>**Physical: B4-02, INTI International University, Malaysia** |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Dr. Anto Cordelia Tanislaus A. D.** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | MHS2601 | KIF15-TARGETED ANTICANCER ACTIVITY OF *Clidemia hirta*-DERIVED PHYTOCHEMICALS: AN INTEGRATED MOLECULAR DOCKING, DYNAMICS, AND *IN VITRO* STUDY<br>*Suganyaa Mohan Baby, Aswini Anguraj, Rathish Kumar Sivaraman, Shivakumar Bandhumy Lingam* |
| | MHS2602 | DECIPHERING THE MULTI-TARGET MECHANISM OF RASNA AND KAPIKACCHU IN ALZHEIMER'S DISEASE USING NETWORK PHARMACOLOGY AND MOLECULAR DOCKING<br>*Aiswarya G Nambiyar, Shamina S* |
| | MHS2603 | EVALUATION OF SELENIUM NANOPARTICLES SYNTHESIZED BY *Schleichera oleosa* AS ANTICANCER AGENTS IN BREAST CANCER CELLS<br>*Archana Behera, Iadalin Ryntathiang, Mukesh Kumar Dharmalingam Jothinathan* |
| | MHS2604 | FORMULATION OF GREEN ZnONPs HYDROGEL USING TAMARIND SEED POLYSACCHARIDE (TSP) FOR WOUND HEALING APPLICATIONS *IN VITRO* AND *IN VIVO* EVALUATION<br>*Iadalin Ryntathiang, Archana Behera, Mukesh Kumar Dharmalingam Jothinathan* |
| | MHS2605 | ANTICANCER ACTIVITY OF *Plumbago indica* EXTRACT: EVIDENCE FROM CYTOTOXICITY AND APOPTOSIS STUDY |

| | | |
|---|---|---|
| | | *Roshna P.V., A. Rohini, Shamina S.* |
| | MHS2606 | MOLECULAR DOCKING ANALYSIS OF A *Mallotus philippensis* BARK-DERIVED QUINOLINE COMPOUND WITH APOPTOSIS-ASSOCIATED PROTEINS RELEVANT TO COLORECTAL CANCER<br>*Hema P, Shamina S, A Rohini* |
| | MHS2607 | HUMAN UMBILICAL CORD HYALURONIC ACID ENHANCES FIBROBLAST MIGRATION AND PROLIFERATION VIA AKT1-ASSOCIATED SIGNALING PATHWAY: INSIGHTS FROM *IN SILICO* NETWORK PHARMACOLOGY AND *IN VITRO* VALIDATION<br>*Shruthi A, Nithya T G* |
| | MHS2608 | EXTRACELLULAR VESICLE-PHYTOCHEMICAL SYNERGY IN REGENERATIVE WOUND CARE: GALLIC ACID AND UMBILICAL CORD BLOOD-DERIVED MESENCHYMAL STEM CELL EXTRACELLULAR VESICLES<br>*Gayathri T, Nithya T G* |
| | MHS2609 | *IN SILICO* IDENTIFICATION AND MOLECULAR CHARACTERIZATION OF ACETOGENINS AS POTENTIAL THERAPEUTIC CANDIDATES FOR OVARIAN CANCER<br>*Elizion Moses, Suvedha Natarajan, Suganya Ilango* |
| | MHS2610 | CHRONIC KIDNEY DISEASE IN SYSTEMIC LUPUS ERYTHEMATOSUS AND LUPUS NEPHRITIS: A SYSTEMATIC REVIEW AND META-ANALYSIS OF PREVALENCE, RISK FACTORS AND RENAL OUTCOMES<br>*Ashwathi M, Shamina S, Saravanan Muthupandian* |
| | MHS2611 | CONTROLLED POLYMERIC DRUG DELIVERY MEMBRANES FOR BREAST CANCER THERAPY AND PREVENTION OF POST-CHEMOTHERAPY MICROBIAL INFECTIONS<br>*Jayaraman Rengaramanujam, Marimuthu Elangovan Pavithra, Marimuthu Thirumarimurugan, Senthil Prabhu Sivasamy, Devakumar Joseph* |
| | MHS2612 | EFFICACY AND SAFETY OF MULTI-HERBAL FORMULATIONS AS ADJUNCTS TO CONVENTIONAL THERAPY IN PATIENTS WITH COLORECTAL CANCER: A SYSTEMATIC REVIEW AND META-ANALYSIS<br>*Ramya R, Shamina S, AnuKrishna Kumar* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| | MHS2613 | NEOIMMUNE AI: EVOLUTION-AWARE THERAPEUTIC INTELLIGENCE<br>*Yuvan Ambhariesh A C, Udayasankari T C, Pramothini S, Harini KM, Rakshana S, Bowlinvijay Sagayam, Charulosini M* |

| | | |
|---|---|---|
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | MHS2614 | EVALUATION OF THE PROBIOTIC POTENTIAL AND ANTI-*Escherichia coli* ACTIVITY OF *Lactobacillus* spp. ISOLATED FROM GOAT MILK<br>*S.M. Shruthi, J.A. Jethisha, J.S. Athinee Brightstar, E.K. Janany, J.M. Anusree, K. Durgadevi, P. Kanagavalli, C. Sasikala* |
| | MHS2615 | NANOPARTICLE EMBEDDED DRUG DELIVERY FOR ORAL CANCER THERAPY<br>*Evana. S, Poongothai. M, Varun Raj. G, Pranithaa. K. M, Nisanthini. S, Kevina J* |
| | MHS2616 | MICROBIAL VOLATILE ORGANIC COMPOUND SIGNATURES AS NON-INVASIVE BIOMARKERS FOR EARLY DISEASE DETECTION: A MICROBIOLOGY-BASED DIAGNOSTIC APPROACH<br>*Vidhya N, Nithyakiruba M, Irsath Shabeek A, Sandra Chandra, Saravanas S, Rishika S.* |
| | MHS2617 | SYNERGISTIC APPROACH OF *IN SILICO* AND GREEN NANOTECHNOLOGY APPLIED FOR THE DEVELOPMENT OF Se/$Fe_2O_3$ NANOCOMPOSITES BY MEDIATED EFFECT OF *Simarouba glauca* SEED AS EFFECTIVE AGAINST TRIPLE NEGATIVE BREAST CANCER<br>*Sharon Rozario Solomon David, Sandhya Selvan, Kavithaa Krishnamoorthy* |
| | MHS2618 | IDENTIFICATION OF FERTILITY ENHANCING BIOACTIVE COMPOUNDS in *Mucuna pruriens* SEEDS EXTRACT USING QTOF MASS SPECTROSCOPY<br>*Sinto MV, Shamina S, A. Rohini* |
| | MHS2619 | CYTOTOXIC EFFECT OF SYNTHESISED CHITOSAN NANOPARTICLES ENCAPSULATING HERBS-INFUSED ESSENTIAL OIL ON LEUKAEMIC (K562) CANCER CELL LINE<br>*Emmanuelle Darshini Anthony, Sinouvassane Djearamane, Ling Shing Wong, Sangeetha Arullappan* |

# Technical Sessions

| MEDICAL & HEALTH SCIENCES TRACK 2 | |
|---|---|
| **Channel 2** | **[MS Teams]** LINK TO JOIN MEDICAL AND HEALTH SCIENCES TRACK 2<br>Meeting ID: 435 966 510 278 368<br>Passcode: Nw7Sx2Fk<br>**Physical: B4-03, INTI International University, Malaysia** |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Dr. Sangeetha a/p Arullappan** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM – 01:00 PM (IST)** | MHS2620 | GREEN-SYNTHESIZED BANANA PITH-DERIVED IRON OXIDE NANOPARTICLES AS A SUSTAINABLE THERAPEUTIC STRATEGY AGAINST TRIPLE-NEGATIVE BREAST CANCER<br>*Sabarinathan R, Shalini S, Angelene Jonna R, Tanzila Naaz, Poojasri, Aberami R* |
| | MHS2621 | MICROBIAL BIOMARKERS FOR EARLY CANCER DETECTION: EMERGING DIAGNOSTIC POTENTIAL AND FUTURE PERSPECTIVES<br>*Sreekutty VK, Amritha.M, Jenitta.J, David Jayaseelan.B* |
| | MHS2622 | SHIGELLOSIS OUTBREAK IN KERALA, 2026: A CASE-CENTRED REVIEW OF EPIDEMIOLOGY, TRANSMISSION AND PUBLIC HEALTH RESPONSE<br>*Ashish AS, Neha V, Devika S* |
| | MHS2623 | DEVELOPMENT OF AN AI-ENABLED SMART MEMBRANE BIOSENSOR INTEGRATED WITH SINGLE-CELL OMICS FOR EARLY CANCER DETECTION<br>*K. Santhi, Sivaraman sasidharan, S. Sujithra, S. Kaviya, C. Abisheka* |
| | MHS2624 | CURCUMIN SUPPRESSES COLORECTAL CANCER PROGRESSION VIA HSP90AB1 AS A POTENTIAL THERAPEUTIC TARGET: AN INTEGRATED NETWORK PHARMACOLOGY AND COMPUTATIONAL APPROACH WITH IN VITRO EVALUATION |

| | | |
|---|---|---|
| | | *Aishwarya Sivakumar, Vijayalakshmi Kumaravel, Senthamizh Gopal* |
| | MHS2625 | SYNERGISTIC IMPACT OF CHLOROGENIC ACID AND METFORMIN NANOPARTICLES: AMYLASE INHIBITION, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES<br>*Suvedha Natarajan, Suganya Ilango, Elizion Moses* |
| | MHS2626 | EVALUATING THE PREVALENCE AND DETERMINANTS OF GASTROINTESTINAL SYMPTOMS AMONG ATHLETES IN PERAK - A PILOT STUDY<br>*Sivanesan Rajeswaran, Sinouvassane Djearamane, Lee Siew Keah, Chee Huei Phing* |
| | MHS2627 | EVALUATION OF ANTIDIABETIC POTENTIAL OF *Pongamia pinnata* LEAF EXTRACT: PHYTOCHEMICAL PROFILING AND MOLECULAR DOCKING AGAINST A-GLUCOSIDASE<br>*N. Chitra, P. Chidambara Rajan, Raju Vivek, Boomika shree S C, Pandidurai* |
| | MHS2628 | DEVELOPMENT OF A MULTIFUNCTIONAL HYDROGEL BANDAGE FOR DIABETIC WOUND HEALING<br>*Kritika Korram, Balasubramanian Velramar* |
| | MHS2629 | SYNTHESIS, *IN SILICO* AND *IN VITRO* BIOLOGICAL EVALUATION OF NOVEL 1,2,3-TRIAZOLE-CHALCONE HYBRIDS AS POTENTIAL FAK/FMK INHIBITORS TARGETING PROSTATE CANCER<br>*Dineshkumar Matheshwaran, Amaravathy Palanidoss, Bhavana Rikhari, Ravikumar Raju* |
| | MHS2630 | *IN SILICO* ANALYSIS ON SELECTED AYURVEDIC MEDICINAL PLANTS FOR TREATING SICKLE CELL ANAEMIA<br>*Vaishali Ketki, Prerana Choudhary, Balasubramanian Velramar* |
| | MHS2631 | STUDY ON CARDIOPROTECTIVE AND ANTIARRHYTHMIC POTENTIAL OF *Terminalia arjuna*<br>*Deepak Kumaran, Sivaranjini Annamalai, Isvarya Srivats Rajan, Vismita Ashok Santhiya, Mukunthan Nadimuth , Nandita Gurunathan Geetha, Ilakkiya Loganathan, Vidhya Alagarsamy* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| **SESSION 2** | MHS2632 | THE ROLE OF ARTIFICIAL INTELLIGENCE IN EARLY DISEASE DETECTION<br>*Madhumitha Sankara Sekaran, Praisy Evanglin Christopher, Pooviarasi Ramkumar Venkateshbabu, Karthika Raja, Arun Palanisamy* |
| | MHS2633 | THE GUT-BRAIN AXIS IN NEURODEGENERATION: EVALUATING THE THERAPEUTIC POTENTIAL OF MICROBIOME MODULATION IN SLOWING PARKINSON'S DISEASE PROGRESSION<br>*Darshini Sasikumar, Shunmuga Vadivoo Giridharan Sangeetha, Muthu Backiya Arunachalam, Kavinilavan Nithiarasan, Nanditha Muthukumar, Sowmya Ravikumar, Monisha Murugavel, Jeevanandam Sekar, Chidambara Rajan P* |
| | MHS2634 | MICROBIAL-DERIVED BIOACTIVES IN COSMECEUTICAL SCIENCE: EMERGING STRATEGIES FOR |

| | | |
|---|---|---|
| **04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | | SKIN HEALTH<br>*Dhanya Panneer Selvam, Paveela Manoharan, Dhanikadevi Sakthivel, Dharsshini Gopalakrishnan, Dharshini Kuzlandhaivel, Varshni Bothiraj, Shanmugavadivu Muthusamy* |
| | MHS2635 | INFLUENCE OF LIGHT EXPOSURE ON SPERM DNA INTEGRITY, REACTIVE OXYGEN SPECIES, AND ANEUPLOIDY IN HUMAN SEMEN<br>*Pamila Joyce A, Andrea Mary F, Prakash B, P.M. Gopinath, Ashok Kumar K* |
| | MHS2636 | IRON OXIDE NANOPARTICLE-MEDIATED FERROPTOSIS TARGETING OF COLORECTAL CANCER STEM CELLS: IMPLICATIONS FOR THERAPEUTIC RESISTANCE<br>*Balajiraam V, Dhanushiya S, Dharshan S, Palaniswamy R* |
| | MHS2637 | A STUDY ON TIME TAKEN FOR THROMBOLYSIS WITHIN 60 MINUTES IN ISCHEMIC STROKE PATIENTS AND THE REASONS FOR DELAY.<br>*Athena raj R, Swaathi.R, Suji.U, Sukanth.K, Kavya.A* |
| | MHS2638 | CHRONIC KIDNEY DISEASE IN DIABETES: A REGIONAL PERSPECTIVE FROM WESTERN TAMIL NADU<br>*Mageswari P, Amutha K, Ramjan Begum S* |

# Technical Sessions

| MEDICAL & HEALTH SCIENCES TRACK 3 | |
|---|---|
| **Channel 3** | **[MS Teams] LINK TO JOIN MEDICAL AND HEALTH SCIENCES TRACK 3**<br>**Meeting ID: 449 371 022 929 780**<br>**Passcode: Nx9j9kj7** |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Prof. Dr. T.G. Nithya** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | MHS2639 | SYNERGISTIC EFFECT OF *Nardostachys jatamansi, Withania somnifera* AND *Hyoscyamus niger* IN ALZHEIMERS DISEASE: AN *IN SILICO* & *IN VITRO* APPROACH<br>*Brindha R, Shamina S, Aiswarya G Nambiyar* |
| | MHS2640 | STRAIN-SPECIFIC EFFECT OF *Pseudomonas aeruginosa* ON NEUROVIRULENCE-ASSOCIATED COGNITIVE IMPAIRMENT<br>*Ravi Aiswarya Krishna, Murugan Mukilan* |
| | MHS2641 | CRISPR/CAS9 GENOME EDITING: PRINCIPLES, OFF-TARGET CONTROL, AND APPLICATIONS IN STUDYING HUMAN DISEASES<br>*Preetha S, Sivaranjini A, Prabanjan A, Manikandan G, Sarawathi N, Rajeshkanna C* |
| | MHS2642 | iNOS and MMP-9 DOWNREGULATION AND WOUND HEALING POTENTIAL OF ESSENTIAL OIL OF *Orthosiphon thymiflorus* (ROTH) SLEESEN<br>*Tanushree Radhakrishnan, Sandhiya Ravi, Sai Harini Guru Ragavendran, Hasmathul Haseena Syedu Mohamed, Prasanya Sri Sabarigiri , Gogul Ramnath Madhusudhanan* |
| | MHS2643 | *IN SILICO* AND *IN VITRO* EVALUATION OF A NON-PHENOLIC TERPENOID FROM *Actiniopteris radiata* AGAINST PROSTATE CANCER<br>*Mayakannan Karuppasamy, Lathika Selva Kumar, Thenmalar Chellaiah, Shalini Sooriyaprakash, Dharun Rajendran, Suganyaa Mohan Baby, Rathish Kumar Sivaraman* |
| | MHS2644 | CONNECTION OF GUT FLORA WITH MENTAL HEALTH OF HUMAN<br>*Sakshi Verma, Balasubramanian Velramar* |

| | | |
|---|---|---|
| | MHS2645 | BIOMIMETIC SYNTHESIS AND EVALUATION OF A POLYHERBAL NANOCOMPOSITE (PhNc) AGAINST HUMAN PATHOGENS: A ONE HEALTH APPROACH<br>*Dharshini. S, Mukila. R, Maheshwari. S, Swetha. M, Mahesh .M, R. Ranjithkumar* |
| | MHS2646 | BARLEY AS A SUPER FOOD: ROLE IN METABOLIC DISORDERS AND GUT HEALTH<br>*S.Sheerin , A. Priya* |
| | MHS2647 | SYNTHESIS, CHARACTERIZATION, AND ANTIBIOFILM EVALUATION OF CHITOSAN -*Acorus calamus* NANOPARTICLES AGAINST ACUTE RESPIRATORY PATHOGENS<br>*Aysha Afiya A, Dineshbabu J, Dharshini K, Madhunisha B, Reginamarissa R, Sachin R* |
| | MHS2648 | ARTIFICIAL INTELLIGENCE-DRIVEN MULTI-OMICS INTEGRATION FOR CANCER BIOMARKER DISCOVERY AND PRECISION MEDICINE<br>*Mohammed Fazil Kamal Basha, Priyadharshini Balasundaram, Suruthi Suresh, Bhubesh Shankar, Amra Fathima Shahul Hameed Tawfiq, Ganga Sree Thatchinnamoorty, Tharika Subramaniyam, Arun Palanisamy* |
| | MHS2649 | CAN CONSERVATION OVERCOME DIVERSITY? - REVERSE VACCINOLOGY GUIDED PRIORITIZATION OF BROAD-COVERAGE VACCINE CANDIDATES FOR RHEUMATIC HEART DISEASE PREVENTION<br>*Neethu Asokan, Channabasavaraj S Hiremath* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | MHS2650 | NEUROPLASTICITY ACROSS THE SPECTRUM: BRIDGING PEDIATRIC PLAY-BASED MOTOR LEARNING AND ADULT NEURO-REHABILITATION<br>*Preethi. K, Muthupandi Sankar, Jeevarathinam Thirumalai* |
| | MHS2651 | COMPARISON OF ULTRASOUND THERAPY AND LASER THERAPY FOR SHOULDER PAIN AMONG COOKS<br>*Meenakshi V, Senthil Kumar S, Latha M, Kalaiarasi B* |
| | MHS2652 | STUDY PROTOCOL ON DESIGN OPTIMIZATION AND CHARACTERIZATION OF EDIBLE, AND ECO-FRIENDLY TABLEWARE USING NATURAL INGREDIENTS TO REDUCE SINGLE USE PLASTICS<br>*Gunaseelan Kaviya Sri, Sinouvassane Djearamane, Wong Ling Shing, Pa. Raajeswari, Sui Kiat Chang, Muhhamad Akmal Bin Amir, Anto Cordelia Tanislaus Antony Dhanapal* |
| | MHS2653 | *IN SILICO* DOCKING, MOLECULAR DYNAMICS AND PHARMACOKINETIC SIMULATION OF WARFARIN RESPONSE AND DIETARY HERB INTERACTIONS IN PATIENTS WITH MECHANICAL HEART VALVES<br>*J. Juno Angel, Prakash Balu* |
| | MHS2654 | ANTIOXIDANT AND ANTI-NEUROBLASTOMA ACTIVITY OF GREEN-SYNTHESISED *Tinospora* |

| | | |
|---|---|---|
| | | *cordifolia* SELENIUM NANORODS IN SH-SY5Y CELLS, WITH DOSE–RESPONSE RE-ANALYSIS AND *IN-SILICO* DRUG-LIKENESS PROFILING OF THE EXTRACT PHYTOCHEMICALS<br>*Ramya V, A. Jaya Prakash Priya, Ling Shing Wong, Kamala-Kannan Seralathan, Prakash Balu* |
| | MHS2655 | EVALUATION OF DGC-MACS VERSUS DGC FOR SPERM SELECTION IN ICSI: A STUDY OF EMBRYOLOGICAL OUTCOMES AND SPERM DNA FRAGMENTATION<br>*Sahini C. K, Rajalakshmi G, Sunil.G.Nayar* |
| | MHS2656 | EXPLORING PSYCHOSOCIAL CHALLENGES AND COPING STRATEGIES IN ADVANCED MATERNAL –AGE PRIMIGRAVIDA<br>*Sharmila Banu.D, Arivanandham.M, Udhaya Banu.D , Shamina.S* |
| | MHS2657 | ASSOCIATION BETWEEN STANDING POSTURAL ALIGNMENT AND LOWER EXTREMITY BIOMECHANICAL ALIGNMENT AMONG KPJ STUDENTS<br>*Pradeep Balakrishnan, Agilaa Palan* |

# Technical Sessions

| BIOLOGICAL & ENVIRONMENTAL SCIENCES TRACK 1 | |
|---|---|
| **Channel 4** | **[MS Teams]** LINK TO JOIN BIOLOGICAL & ENVIRONMENTAL SCIENCES TRACK 1<br>Meeting ID: 431 560 958 164 625<br>Passcode: aR9FN7n4<br>**Physical: B4-04, INTI International University, Malaysia** |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Assoc. Prof. Dr. Tey Lai Hock** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | BES2601 | ANTIOXIDANT AND SOIL BINDING ACTIVITIES OF *Leucaena leucocephala* WATER EXTRACT- A REVIEW<br>*Athulya lenin, Ahatheshwaran G, Vijayavarshini T, Kavina Vimal V, Sudarmani Gayathri N* |
| | BES2602 | ISOLATION AND CHARACTERIZATION OF MARINE PIGMENT-PRODUCING BACTERIA FOR SUSTAINABLE BIOTECHNOLOGICAL APPLICATIONS<br>*Aswini Anguraj, Subashkumar Rathinasamy, Rathish Kumar Sivaraman* |
| | BES2603 | COMPARING FRAMEWORKS AND GOVERNMENT MODELS FOR INTEGRATING GREEN SPACES IN EMERGING SMART CITIES: EVIDENCE FROM THE GLOBAL SOUTH<br>*Krithish Haldorai, B. Nithyalaksmi* |
| | BES2604 | COMPARATIVE ASSESSMENT OF CONVENTIONAL AND AI-ASSISTED MOLECULAR DOCKING FOR PROTEIN–LIGAND POSE PREDICTION AND BINDING AFFINITY<br>*Alisha Kumar, Balasubramanian Velramar* |
| | BES2605 | EXTRUSION BASED MICROENCAPSULATION OF GOAT MILK DERIVED PROBIOTIC LACTIC ACID BACTERIA: ENHANCEMENT OF STABILITY, FUNCTIONAL PROPERTIES AND APPLICATION IN PROBIOTIC GUMMIES |

| | | |
|---|---|---|
| | | *Mahenthiran Ramasamy, Sree Ram Chandrasekaran, Kartika Devi Bhaskaran, Dinesh S, Dhivyasri T, Harshad* |
| | BES2506 | ECONANO-HYDROGEL NEXUS: BIOWASTE-ENGINEERED METAL NANOPARTICLE–CHITOSAN COMPOSITE MATRICES FOR NEXT-GENERATION CHRONIC WOUND THERAPY — BRIDGING GREEN FABRICATION WITH MULTI-SCALE COMPUTATIONAL INTELLIGENCE<br>*Manikandan N, Prakash Balu* |
| | BES2607 | *IN VITRO* PHYTOCHEMICAL, ANTIOXIDANT AND ANTIMICROBIAL POTENTIAL OF *Sargassum vulgare* COLLECTED FROM KANYAKUMARI COASTAL REGION<br>*Devakumar Joseph, Rengaramanujam Jayaraman, Karthik Sundaram Sivaramakrishnan, Senthil Prabhu Sivasamy, Anjana Eettikkal Mathew, Rakeshwari Murugavel* |
| | BES2608 | BIOELECTROGENIC POTENTIAL OF INDIGENOUS *Bacillus licheniformis* FOR SUSTAINABLE ELECTRICITY GENERATION FROM STEEL-INDUSTRY WASTEWATER<br>*Aarthi D, Jayasheela D* |
| | BES2609 | A STUDY OF GAUSSIAN PICTURE FUZZY IDEALS IN NORMED RINGS AND THEIR APPLICATION TO INTERPRETATION OF SKIN LESION CLASSIFICATION USING DECISION TREE MODEL<br>*K. Jeya Lekshmi, C. Umamaheswari* |
| | BES2610 | BIOFUEL PRODUCTION FROM PLANTS: RECENT ADVANCES, CHALLENGES AND FUTURE PERSPECTIVE<br>*Inbarasan R, Hariharan S, Gowtham P, M.Keerthana, M.Shanmugavadivu* |
| | BES2511 | *IN VITRO* ANTIBACTERIAL AND ANTIOXIDANT ACTIVITIES OF SOME NOVEL 1,2,3-TRIAZOLE DERIVATIVES<br>*Shaik Mohammad Noor, D. Gavaskar, B. Prakash* |
| | BES2612 | MITIGATING OF $CO_2$ CAPTURING BY EMPLOYING CARBONIC ANHYDRASE COATED WITH ZINC-SILICA NANOPARTICLES<br>*Hrishika Jaiswal, Balasubramanian Velramar* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| | BES2613 | MICROBIAL ENZYME INDUCED CALCITE PRECIPITATION: A NATURAL BIOCEMENTATION PROCESS USING *Bacillus Sp.* ISOLATED FROM COW DUNG SOIL<br>*Sriram Venkatesan, Krishnaveni Mahadevan, Persia Anit Devi, Kavithaa Krishnamoorthy* |
| | BES2614 | BACTERIOCIN PRODUCING LACTIC ACID BACTERIA AS SUSTAINABLE BIOPRESERVATIVES: ANTIMICROBIAL MECHANISMS, STABILITY, AND SYNERGISTIC APPLICATIONS FOR CONTROLLING FOODBORNE PATHOGENS |

| | | |
|---|---|---|
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | | *Fathima Farheen, Sri Bhavadharini S, Gurupranav R, Palanisamy S, Keerthana V, Sasikala C* |
| | BES2615 | NEXT-GENERATION BIODEGRADABLE ANTIMICROBIAL WOUND DRESSINGS: HARNESSING NATURAL POLYMERS FOR SMART WOUND HEALING<br>*Dharani Priya K, Akshithavarna M, Jismi K Joshy, Deepthi S, Shanmugavadivu M* |
| | BES2616 | ENHANCED TRANSCRIPTIONAL ACTIVATION OF ANTHOCYANIN BIOSYNTHETIC PATHWAY VIA E8 PROMOTER-DRIVEN ***Del*/*Ros1*** CO-EXPRESSION IN TOMATO (*Solanum lycopersicum*) FRUITS<br>*Deepadharsan Kanagaraj, Shrinithi Chandrakumar, Nandhana Shanmuganathan, Mridula Bathrri Narayanan, Aswath Selvaraj, Wong Ling Shing, Sinouvassane Djearamane, Mathur Nadarajan Kathiravan* |
| | BES2617 | *IN SILICO* DYNAMICS OF QUERCETIN AS AN EGFR INHIBITOR AND BASELINE BIOCOMPATIBILITY OF CHITOSAN NANOCARRIERS FOR GLIOBLASTOMA<br>*Harshiga R, Arun P* |
| | BES2618 | DEVELOPMENT OF NATURAL COLOURANT FROM BACTERIAL PIGMENTS FOR COSMETIC APPLICATIONS<br>*Anamika Sunil, Nasiya N, Shiji B, R Kasimani* |
| | BES2619 | ENGINEERED BIO-INOCULANTS AND BIO-FERTILIZERS: INTERNATIONAL POLICY STANDARDIZATION AND INDIGENOUS MICROBIOME INTEGRATION FOR GLOBAL FOOD SECURITY<br>*Arjun. M, Bhavyalakshmy. M.B, Dheekshitha. K, S. Esath Natheer* |

# Technical Sessions

| BIOLOGICAL & ENVIRONMENTAL SCIENCES TRACK 2 | |
|---|---|
| **Channel 5** | **[MS Teams]** LINK TO JOIN BIOLOGICAL & ENVIRONMENTAL SCIENCES TRACK 2<br>Meeting ID: 475 443 807 945 079<br>Passcode: fJ6yy69j |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Dr. Kavithaa Krishnamoorthy** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | BES2620 | NANO-ENABLED MICROALGAL SYSTEMS FOR SUSTAINABLE WASTE MANAGEMENT AND RESOURCE RECOVERY<br>*Anshida P, Melcia M, Sharon Zilpha B, Gokul Ram J, Tharihaasri K, Muthukanitha A, Keerthana V* |
| | BES2621 | NANOTECHNOLOGY WITH MICROBES IN IMPROVING BIOREMEDIATION<br>*Thiruppathi M, Naveen Prasanth M, Swetha B, Sheeba E* |
| | BES2622 | MICROBIAL PRODUCTION OF PECTINASE USING WATERMELON SEEDS AND RIND AS SUBSTRATES<br>*Gayathri. S, Fasna. S, Nandhish. P, Thangavel. M* |
| | BES2623 | GREEN PROCESSING OF COTTON FABRIC USING PLANT-BASED DYES EXTRACTED FROM NEEM (*Azadirachta indica*) AND Mango (*Mangifera indica*) LEAVES<br>*C Anisha, V C Archana, Meera A G, Sasikala M* |
| | BES2624 | CHARACTERIZATION OF MICROBIAL COMMUNITIES IN POLLUTED AND NON-POLLUTED SOIL USING CULTURE-BASED APPROACHES<br>*Dhileesha C, Thirumal S, Veeramani R, Thulasi Sivaraman* |
| | BES2625 | FROM NATURAL PREDATORS TO PRECISION THERAPEUTICS: THE EMERGING ERA OF |

| | | |
|---|---|---|
| | | ENGINEERED BACTERIOPHAGES<br>*M R Diya, Bhavana K S, Muthu Mariswari P, Thirunavukkarasu Periyasamy* |
| | BES2626 | PREVALENCE OF COLIFORM BACTERIA AND ITS ANTIBIOTIC RESISTANCE PATTERN IN RAIPUR, CHHATTISGARH, INDIA<br>*Mridul Anand, Srujanika Panigrahi, Balasubramanian Velramar* |
| | BES2627 | METABOLIC ENGINEERED *Saccharomyces cerevisiae* WITH XYLOSE-UTILIZING *XYL1*/*XYL2*/*XKS1* AND FURAN-DETOXIFYING *ARI1* GENES FOR ENHANCED BIOETHANOL PRODUCTION FROM CORN STOVER HYDROLYSATES<br>*Vanjani N, Nathiya K, Harshaa J, Kamali S, Saranya R, Aadharsh R, Harishkumar A, Janani G, Akshaya A, Pragalya S, Jayashree M, Wong Ling Shing, Sinouvassane Djearamane, Mathur Nadarajan Kathiravan* |
| | BES2628 | MINING DEEP-SEA SEDIMENT METAGENOMIC CLONE LIBRARIES ACROSS THE NORTHERN INDIAN OCEAN TO HARNESS UNTAPPED THERMOSTABLE BIOPOLYMERS BY FACS-ENABLED SINGLE-CELL SORTING<br>*Greeshma Mani, Sudha S S, Karpaga Raja Sundari Balachandran* |
| | BES2629 | BIOPROSPECTING OF LIGNINOLYTIC ENZYME-PRODUCING ENDOPHYTIC BACTERIA FROM MARINE MACROALGAE ALONG TAMIL NADU COASTAL WATERS: BIOCHEMICAL CHARACTERISATION, DYE DECOLORISATION, AND BIOINFORMATICS INSIGHTS<br>*Keerthana S, Prakash Balu* |
| | BES2630 | BIODEGRADATION OF REACTIVE ORANGE 16 (RO) AZO DYE USING MAGNETICALLY IMMOBILIZED *Pantoea sp*. IN CONTINUOUS FLUIDIZED BED BIOFILM REACTOR (CFBBR): MASS TRANSFER STUDIES<br>*Rohan Christopher A, Dharsini TK, Sridevika M, Asmitha Ilaiyarajan, Wong Ling Shing, Sinouvassane Djearamane, Mathur Nadarajan Kathiravan* |
| | BES2631 | DEVELOPMENT OF AN ANTHOCYANIN-BASED INDICATOR SYSTEM FOR MONITORING OVER FERMENTATION IN FERMENTED BATTER AND SURFACE HYGIENE IN FOOD HANDLING ENVIRONMENTS<br>*LegaSree T, Kausalya GL, R Koushika, Sakthi M, Dinesh S, Sairam JA, Luckshitha Shriram, Kousika M, J. Rengaramanujam* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| **SESSION 2** | BES2632 | GREEN SYNTHESIS AND CHARACTERIZATION OF *Nicotiana tabacum*-MEDIATED TITANIUM DIOXIDE ($TIO_2$) NANOPARTICLES AND EVALUATION OF THEIR ANTIBIOFILM ACTIVITY<br>*Mohana M, Dineshbabu J* |

| | | |
|---|---|---|
| **04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | BES2633 | BIODEGRADATION AND STRUCTURAL DETERIORATION OF LOW-DENSITY POLYETHYLENE BY $CO_2$-EVOLVING *Bacillus pumilus* AND *Bacillus licheniformis* ISOLATED FROM A MUNICIPAL SOLID WASTE LANDFILL<br>*M. Srimathi, K. Ashok Kumar, M. Suganthi, B. Prakash, G. Abirami* |
| | BES2634 | BIODEGRADATION OF LOW-DENSITY POLYETHYLENE BY LACCASE-PRODUCING *Oceanobacillus sojae* PB19 ISOLATED FROM A MUNICIPAL SOLID WASTE LANDFILL<br>*Shanmadhi R, Abirami G, Ashok Kumar K* |
| | BES2635 | BIOTRANSFORMATION OF INVASIVE PONTEDERIA CRASSIPES IN TO ENRICHED VERMICOMPOST SUPPLEMENTED WITH BIOCHAR USING *Eisenia fetida*<br>*Anitha V, Abirami G, Prakash B, Ashok Kumar K* |
| | BES2636 | DEVELOPMENT OF BIODEGRADABLE FILM FROM BANANA PEEL WASTE<br>*Chanchal Chandrakar, Padmalya Das* |
| | BES2637 | ISOLATION AND CHARACTERIZATION OF MICRO-NANO PLASTIC DEGRADING BACTERIA FROM THE GUT MICROBIOTA OF SELECTED FRESHWATER FISHES<br>*Saurabh Gupta, Balasubramanian Velramar* |
| | BES2638 | MICROBIAL AND ENZYMATIC DEGRADATION: A SUSTAINABLE APPROACH TO REMEDIATE HEAVY METALS AND PESTICIDES FROM GROUND AND SURFACE WATERS<br>*Ruby Celsia Arul Selvaraj, Rameethaa RK, Harshini V. P, Helan D., David Jayaseelan* |
| | BES2639 | BIOLOGICAL APPROACHES FOR BIOREMEDIATION 0F MICROPLASTIC-CONTAMINATED AQUATIC ECOSYSTEMS<br>*Deepika A, Varshini P, Sharabinathan S, Kowshika S, Nishanthini S, Sobika K, Shanmugavadivu M* |

# Technical Sessions

| BIOLOGICAL & ENVIRONMENTAL SCIENCES TRACK 3 | |
|---|---|
| **Channel 6** | **[MS Teams]** **LINK TO JOIN BIOLOGICAL & ENVIRONMENTAL SCIENCES TRACK 3**<br>Meeting ID: 439 605 837 028 663<br>Passcode: 5kV7Vc9M |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Dr. Megha Mahajan** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | BES2640 | FABRICATION OF ZnO NANOPARTICLES FROM THE BROWN SEAWEED EXTRACTS AND EVALUATING ITS BACTERICIDAL AND BIOCOMPATIBLE EFFECTS<br>*Durairaj Kayathri, Kavithaa Krishnamoorthy* |
| | BES2641 | DETECTION OF MICROPLASTICS IN VEGETABLES (*Daucus carota*)<br>*R. Suriyaprabha, K. Dharani, D. Jayasheela, T. Udhaya Arunthathi, M. Sathyapriya* |
| | BES2642 | MAGNETO-OPTOGENETIC BIODESALINATION: ENHANCED ION SEQUESTRATION USING FERRITIN-EXPRESSING AND LIGHT-DRIVEN HALORHODOPSIN SYSTEMS IN ENGINEERED *Escherichia coli*<br>*Dhanujaa G, Ancika A, Lathika S, Nitharsana S, Akilesh RA, Shanmugavadivu M* |
| | BES2643 | A MODERN BIOTECH APPROACH: USING AI-DESIGNED ENZYMES TO BREAKDOWN PLASTIC WASTE<br>*Sowbharanika VS, Aafrin A, Thaniska SS, Kavin Sakthi P, Amsavarshini, Shanmugavadivu M* |
| | BES2644 | DEVELOPMENT OF AN EFFICIENT MICROBIAL CONSORTIUM FOR CROP DISEASE MANAGEMENT AND GROWTH ENHANCEMENT<br>*Vishnu Priya M, Praveen D, Bhuvaneshwari D, Kanagalakshmi M* |

| | | |
|---|---|---|
| | BES2645 | GREEN SYNTHESIS OF RICE BRAN-DERIVED $Fe_2O_3$/CuO NANOCOMPOSITE AND ITS BIOLOGICAL ACTIVITIES<br>*Anushree V, Sivamani S, Shanthini K, Sruthi J, Esther Aarthi Nitha V and Vanathi Palanimuthu* |
| | BES2646 | PHYTOCHEMICAL PROFILING, FREE RADICAL SCAVENGING CAPACITY, AND ANTIMICROBIAL POTENTIAL OF *Tinospora cordifolia* STEM EXTRACT AND ITS PHYTO-MEDIATED SILVER AND MANGANESE NANOPARTICLES<br>*Keerthika M, Prakash B, Abirami G, Ashok Kumar K* |
| | BES2647 | GREEN SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES USING *Mangifera indica* LEAF EXTRACT AND EVALUATION OF THEIR ANTIOXIDANT AND PHOTOCATALYTIC ACTIVITIES<br>*Atchaya M, Sandhiya R, Subiksha V M, Monika S, Sriram M, Vanathi Palanimuthu* |
| | BES2648 | SPATIAL ASSESSMENT OF GROUNDWATER QUALITY AND FLUORIDE DISTRIBUTION USING GEOSPATIAL TECHNIQUES IN SELECTED VILLAGES OF TIRUCHIRAPPALLI DISTRICT, TAMIL NADU<br>*Sukumar. S, Udhaya Banu. D, Shamina. S, Muralitharan. J* |
| | BES2649 | ANALYSIS OF NOYYAL RIVER WATER FOR HUMAN UTILIZATION AND CONSUMPTION<br>*M. Mohan Prasath, G. Priyanka, D. Jayasheeela, E. Mallika, R. N. Preethi* |
| | BES2650 | ADAPTIVE NEURO–FLUIDIC SWALLOW ASSISTIVE TECHNOLOGY AND SUSTAINABLE SYNBIOTIC NUTRITION<br>*Priscilla Saira John, Wasiya Farzana* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | BES2651 | PHYTOCHEMICAL SCREENING AND EVALUATION OF ANTIOXIDANT, ANTIBACTERIAL, ANTIDIABETIC AND ANTI-INFLAMMATORY ACTIVITIES OF *Garcinia mangostana* SEED AND *Citrus paradisi* PEEL EXTRACTS<br>*Pavithran Kumar, Prakash Balu, J. Manjunathan* |
| | BES2652 | QUANTIFICATION AND PURIFICATION OF MUSHROOM METABOLITES - VITAMIN D: EXTRACTION / POST-HARVEST METHODS FOR AUGMENTATION<br>*Ruby Celsia Arul Selvaraj, R. Theophilus Vedhanesan, Adin Vivaan Vincent, David S Mathews, B. David Jayaseelan* |
| | BES2653 | PHOTOCATALYTIC NANOMATERIALS FOR DEGRADATION OF ORGANIC POLLUTANTS<br>*Ruby Celsia Arul Selvaraj, Ria Alfrey, Madhan P* |
| | BES2654 | FERMENTATION OF EDIBLE MUSHROOMS: BIOTRANSFORMATIONS, BIOACTIVE PROFILES, AND |

| | | |
|---|---|---|
| | | FUNCTIONAL FOOD APPLICATIONS<br>*Ruby Celsia Arul Selvaraj, Kalai Rajan Poomalaisundar, Tharanish Subramani, Smriti S V, Maruthu Manokaran, B. David Jayaseelan* |
| | BES2655 | GREEN SYNTHESIS OF NANOPARTICLES AND THEIR APPLICATIONS IN ENVIRONMENTAL REMEDIATION: A REVIEW<br>*Hirthik H, Fedrick John Hungston F, Rahul V, Muruganandham S, Sivaranjini Annamalai* |
| | BES2656 | MICROBIAL BIOSYNTHESIS OF SILVER NANOPARTICLES: CHARACTERIZATION AND ANTIMICROBIAL POTENTIAL<br>*Michael Dissasa L, Aswini Anguraj, Anirudh M, Ruba S, Boopathi Pandi M, Rahul S* |
| | BES2657 | BIOSYNTHESIS OF SILVER NANOPARTICLES USING PIGMENT-PRODUCING BACTERIA: ANTIBACTERIAL ACTIVITY AND MOLECULAR DOCKING INSIGHTS<br>*Shreemaya Nandakumar, Aswini Anguraj, Ishreaya Suresh, Elango Chinnathambi, Swathi Vijayamurugan, Manimekalai Vijayakumar* |
| | BES2658 | EXPLORING MARINE BACTERIAL PIGMENTS AS ECO-FRIENDLY ALTERNATIVES TO SYNTHETIC DYES<br>*Anamithra T, Aswini A, Dhivya R, Madhu Barkavi S, Maria Jeromi J, Selvi Gopalakrishnan* |
| | BES2659 | EVALUATION OF ANTIOXIDANT AND ANTI-INFLAMMATORY POTENTIAL OF *Hemigraphis colorata* LEAF EXTRACTS OBTAINED USING DIFFERENT SOLVENTS<br>*Kuriakose Neeraja, M Jayanthi* |

# Technical Sessions

| BIOLOGICAL & ENVIRONMENTAL SCIENCES TRACK 4 | |
|---|---|
| **Channel 7** | **[MS Teams] LINK TO JOIN BIOLOGICAL & ENVIRONMENTAL SCIENCES TRACK 4**<br>Meeting ID: 488 696 645 483 536<br>Passcode: XH6aK34C |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Assoc. Prof. Dr. Balasubramanian Velramar** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | BES2660 | *Cinnamomum tamala* LEAVES AS A NATURAL SOURCE OF ANTIOXIDANT AND ANTI-INFLAMMATORY COMPOUNDS: ROLE OF EXTRACTION STRATEGY<br>*Prasad S Prasobh, M Jayanthi* |
| | BES2661 | ARTIFICIAL INTELLIGENCE ASSISTED QUORUM SENSING RESEARCH: NEW INSIGHT IN SIGNAL PREDICTION, INHIBITOR DISCOVERY AND MICROBIAL CONTROL<br>*Anusha. M. B, Rajalakshmi. G* |
| | BES2662 | PHARMACOGNOSTIC CHARACTERIZATION AND QUALITY ASSESSMENT OF *Breynia androgyna* (L.) CHAKRAB. & N.P. BALAKR. LEAVES: PHYSICOCHEMICAL, PHYTOCHEMICAL AND HEAVY METAL EVALUATION<br>*Saranya A, Jayanthi Mayandi* |
| | BES2663 | *IN SILICO* MOLECULAR DOCKING AND SIMULATION ANALYSIS OF QUERCETIN 3-O-RUTINOSIDE (RUTIN) AGAINST SORTASE A (SrtA), AN ANTI-VIRULENCE TARGET OF *Staphylococcus aureus*<br>*Hari Priya Gopala Krishnan, Radha Palaniswamy* |

| | | |
|---|---|---|
| | BES2664 | ANTIMICROBIAL RESISTANCE: A GROWING SERIOUS THREAT FOR GLOBAL PUBLIC HEALTH<br>*Sanmugam Gopal swami, Sri Prasanna Murugan, Gokulavasan Balasubramaniyan, Jeoffrey Rodjers, John Kamaraj, Janani Shanmugasundaram, Arun Palanisamy* |
| | BES2665 | COMPARATIVE PHYTOCHEMICAL PROFILING OF STEM, LEAF, ROOT AND INFLORESCENCE OF *Euphorbia hirta* LINN. AND THEIR THERAPEUTICAL POTENTIALS<br>*G. Bharath, Prakash Balu, J. Manjunathan* |
| | BES2666 | PHYTOCHEMICAL CHARACTERIZATION AND IN VITRO ANTI-DIABETIC ACTIVITY OF BIOACTIVE COMPOUNDS FROM *Commelina benghalensis* LINN.: A COMPREHENSIVE STUDY ON A-GLUCOSIDASE AND A-AMYLASE INHIBITION<br>*B. Yukesh, Prakash Balu, J. Manjunathan* |
| | BES2667 | DEVELOPMENT OF NEEM BIOCHAR FUNCTIONALIZED WITH NEEM KERNEL EXTRACT AND LEMONGRASS ESSENTIAL OIL AGAINST *Candida albicans:* AN INTEGRATED EXPERIMENTAL AND *IN SILICO* STUDY<br>*Mahalakshmi K M, Neethu Asokan* |
| | BES2668 | DEVELOPMENT OF A NATURAL-POLYMER-BASED PHYTOCHEMICAL FORMULATION AGAINST *Shigella*: PHYTOCHEMICAL CHARACTERIZATION AND *IN SILICO* ANALYSIS OF DNA GYRASE AND VirF<br>*Divya A P, Spoorthi N, B Shravya, Neethu Asokan* |
| | BES2669 | BIODEGRADATION POTENTIAL OF CHLORPYRIFOS BY BACTERIAL ISOLATES: SCREENING, CHARACTERIZATION AND TIME-DEPENDENT DEGRADATION<br>*Duraimurugan A, Kanish D, Suganthi M, Ashok Kumar K, B. Prakash, G. Abirami* |
| | BES2670 | BIOCHEMICAL ENHANCEMENT OF GABA AND ANTIOXIDANT POTENTIAL OF SPIRULINA THROUGH LACTIC ACID FERMENTATION<br>*Parvathavardhini , Jeevatharani K, Madhankumar K, Dharshini* |
| | BES2671 | EXPLORING MICROBIAL BIODIVERSITY FROM WESTERN GHATS, INDIA<br>*Senthilkumar, T, Rajalakshmi, G, Senthilkumar P, Ragunath C* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| | BES2672 | AN IMPACT ASSESSMENT OF ENCROACHMENT ON WATERBODIES AND BIOREMEDIATION MEASURES FOR SUSTAINABLE WATER MANAGEMENT – A CASE STUDY OF RAJAKILPAKKAM LAKE CATCHMENT, SOUTH CHENNAI<br>*Bhagavathy.A, J.L.Prameena Sheeja, Bhaskaran.G* |
| | BES2673 | TOWARDS SUSTAINABLE CAMPUSES: A PRELIMINARY LOOK AT GREEN COMPUTING AND AI |

| | | |
|---|---|---|
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | | USAGE HABITS<br>*J. L. Prameena Sheeja, J. Priya, K. Harini, N. Muthumubetha* |
| | BES2674 | PHYTOCHEMICAL SYNTHESIS OF REDUCED GRAPHENE OXIDE USING CALOTROPIS GIGANTEA FOR ADVANCED WATER PURIFICATION<br>*Pushpanjali Das M, Saye Priya Devi, Vanathi A G, M. Anne* |
| | BES2675 | PHYTOCHEMICAL-ASSISTED GREEN SYNTHESIS OF ALUMINIUM OXIDE NANOPARTICLES WITH ENHANCED ANTIBACTERIAL AND ANTIOXIDANT FUNCTIONALITY<br>*Ishwarya Ramachandran.S, Saravanan Sekaran, Rajeshkumar Shanmugam, Gomathi Baskar, D.S.Pushparani, J.L.Prameena Sheeja* |
| | BES2676 | GREEN SYNTHESIS AND CHARACTERIZATION OF SILVER NANOPARTICLES USING AERVA LANATA FLOWER EXTRACT AND EVALUATION OF THEIR ANTI-UROLITHIATIC ACTIVITY<br>*Aishwarya, Nasreen Najeeb, J.L. Prameena Sheeja* |
| | BES2677 | COMPARATIVE PHYTOCHEMICAL PROFILING, ANTIOXIDANT AND ANTIMICROBIAL ACTIVITIES, AND NATURAL DYE POTENTIAL OF *Terminalia catappa*<br>*Priyanka T, Rajalakshmi, G, Ragunath C* |
| | BES2678 | ACUTE TOXICITY OF ZINC OXIDE NANOPARTICLES TO ARTEMIA SALINA: CONCENTRATION- AND TIME-DEPENDENT MORTALITY<br>*Nezya Pramudya Wardani, Uun Yanuhar, Abdul Rahem Faqih, Heru Suryanto* |
| | BES2679 | TOXICOLOGICAL AND PHYSIOLOGICAL RESPONSES OF AQUATIC ORGANISMS TO SILVER NANOPARTICLES: IMPLICATIONS FOR AQUACULTURE APPLICATIONS<br>*Defa Rizqi Machfuda, Uun Yanuhar, Asus Maizar Suryanto Hertika, Ranjith Kumar Rajamani, Heru Suryanto, Aisha Surya Ananda* |

# Technical Sessions

| ENGINEERING AND INFORMATION TECHNOLOGY TRACK 1 | |
|---|---|
| **Channel 8** | **[MS Teams]** LINK TO JOIN ENGINEERING AND INFORMATION TECHNOLOGY TRACK 1<br>Meeting ID: 454 639 590 765 606<br>Passcode: uq7aZ7Kc |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Prof. Dr. P. Naresh Kumar (2. 00- 3.30 PM) & Prof. Ir. Dr. Malathy a/p Batumalay (4.30 to 5.30 PM)** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | EIT2601 | POINT-SET DOMINATION IN SPHERICAL NEUTROSOPHIC GRAPHS WITH APPLICATIONS TO WIRELESS SENSOR NETWORKS<br>*R. Poornavalli, P. Solairani* |
| | EIT2602 | FUZZY INFERENCE SYSTEM FOR EVALUATING CIPET STUDENT OUTCOMES<br>*M.Indhumathi, M.Suganya veni* |
| | EIT2603 | INTELLIGENT ELECTRICAL DISTRIBUTION ALERT SYSTEM<br>*Antony P James, V. Sidharthan* |
| | EIT2604 | ADAPTIVE CARBON-AWARE SCHEDULING FOR SUSTAINABLE COMPUTING<br>*K. Santhi, Sakthidevi. I, D.Thilagavathy , C. Puvanadevi, S. Sujatha, Lokesh. G* |
| | EIT2605 | WEATHER-AWARE MULTI-HORIZON TRAFFIC FLOW PREDICTION USING SPATIO-TEMPORAL ATTENTION LEARNING<br>*Pritha A, G.Fathima* |

| | | |
|---|---|---|
| | EIT2607 | NOISE-RESILIENT QUANTUM MACHINE LEARNING FRAMEWORK FOR EXPLAINABLE EEG SEIZURE DETECTION<br>*Poongothai S, Senthil Kumar R, Indhumathi V, Kowsalya Devi R, Janani J* |
| | EIT2608 | STUDY ON THE EFFECTIVE UTILISATION 0F LEATHER TANNERY SLUDGE WASTE AS SUSTAINABLE BUILDING MATERIALS<br>*R Keerthana, R. Vijayalakshmi, J.L. Prameena Sheeja* |
| | EIT2609 | ARTIFICIAL INTELLIGENCE AND MACHINE LEARNING APPLICATIONS IN FREE-PISTON LINEAR ENGINE GENERATORS: A BIBLIOMETRIC AND SYSTEMATIC ANALYSIS OF RESEARCH TRENDS AND EMERGING THEMES<br>*Md Abu Hasan Al Askary, Saraban Salsabila, Tasmia Binte Hai, Md Hasanul Haque, Md Hasikur Chowdhury* |
| | EIT2610 | DEVELOPMENT AND VALIDATION OF AN AI BASED DECISION SUPPORT SYSTEM FOR MICROSCOPIC INSPECTION<br>*M. Aravindhan, R. Jai Akash, S. Sanjay Kumar* |
| | EIT2611 | SOLAR POWERED SMART WASTE COLLECTOR WITH ADAPTIVE WASTE DETECTION AND CONVEYOR CONTROL<br>*M.Yaksharajan, N. Mohammed kaif, G. Lakshita* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | EIT2606 | A MULTI-SCALE ATTENTION-ENHANCED EFFICIENT NET WITH ADAPTIVE FEATURE REFINEMENT BLOCK FOR ROBUST HUMAN ACTIVITY RECOGNITION<br>*R. Vani, D. Revathi* |
| | EIT2612 | ECO-FRIENDLY COMPOSITE MATERIALS FOR MOTORCYCLE TAIL BODY WITH NATURAL FIBER<br>*M. Arunkumar, SV. Abdul Kalam, JV. Surendhar* |
| | EIT2613 | IoT-BASED DC MOTOR SPEED AND DIRECTION CONTROL WITH REAL-TIME MONITORING SYSTEM<br>*Dinesh P, Kowsalaya G, Chandini A, Mani Kumar K, Madhu Kiran S, Sakthi S* |
| | EIT2614 | TFMAF-MDS: TYPE-II FUZZY METAHEURISTIC ADAPTIVE FRAMEWORK FOR MULTIMODAL DECISION SUPPORT<br>*R. Rajeswari, B. Narasimhan, V. Kavitha, P. G. Sivagaminathan, A. Muthusamy* |
| | EIT2615 | NEW FRAMEWORK FOR PICTURE Z-NUMBER FUZZY SUBGROUPS WITH APPLICATIONS<br>*M.Indhumathi, D. Manjuladevi* |
| | EIT2616 | EMERGING TRENDS AND CHALLENGES IN DATA SCIENCE AND BIG DATA ANALYTICS<br>*P. Sumitra, G. Sathya, M. Sathiya, D. Rajakumari, Gheorghiță Ghinea, R. Senthil Kumar* |
| | EIT2617 | A SECURE DUAL-LAYER CRYPTOGRAPHIC FRAMEWORK USING AES AND BLOWFISH FOR |

| | | |
|---|---|---|
| | | CONFIDENTIAL DATA PROTECTION<br>*M. Praveena, S. Suganthapriya, B. Nandhini, K. Amuthan, V. Vignesh* |
| | EIT2618 | AI-DRIVEN BLOCKCHAIN TECHNOLOGY USING ZERO-KNOWLEDGE BFT CONSENSUS FOR SECURE AND SCALABLE DECENTRALIZED APPLICATIONS<br>*A.C. Banumathi, P. Santhanalakshmi, P. Kanimozhi, S. Vijayalakshmi* |
| | EIT2619 | BLOCKCHAIN REVOLUTION: TRANSFORMING THE FUTURE OF THE FINANCIAL SECTOR<br>*S. Sowmiyasree, V. Dharani, S. Nithya Devi, Gheorghiță Ghinea, R. Senthil Kumar* |
| | EIT2620 | SMART SUPPLY CHAIN MONITORING USING TRUSTWORTHY WIRELESS SENSOR NETWORKS FOR SUSTAINABLE DEVELOPMENT<br>*P. Rishibala, S.P. Saranya, J. Vijayalakshmi, M. Muthuselvi, P. Mathiazhagan, S. Dhivya* |

# Technical Sessions

| ENGINEERING & INFORMATION TECHNOLOGY TRACK 2 | |
|---|---|
| **Channel 9** | **[MS Teams]** **LINK TO JOIN ENGINEERING AND INFORMATION TECHNOLOGY TRACK 2**<br>Meeting ID: 458 641 528 715 823<br>Passcode: tA773te3 |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Prof. Dr. R. Senthil Kumar** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | EIT2621 | SECURE COMMUNICATION PROTOCOLS FOR IoT-ENABLED INDUSTRIAL NETWORKS: A REVIEW AND IMPLEMENTATION OF NETWORK MANAGEMENT STRATEGIES<br>*M. Thamarai selvan, V. Poonguzhali, K. Poornima, R. Jaishankar, G. Sivsubramanian* |
| | EIT2622 | A MULTILINGUAL RAG-BASED INTELLIGENT PENSION ASSISTANCE FRAMEWORK FOR ELDERLY CITIZENS<br>*A. Gayathiri, N. Nithya, S. Sabitha, V. Ajay Vikram, Gheorghiță Ghinea, R. Senthil Kumar* |
| | EIT2623 | CITYTWIN: EXPLAINABLE AND PRIVACY-AWARE REAL-TIME SMART CITY MONITORING AND EMERGENCY DECISION SUPPORT<br>*P. Jayapriya, K. Kalaivanan, M. Ashok kumar, C. Amith, R. Senthil Kumar* |
| | EIT2624 | TOPOLOGY DATA ANALYSIS APPLIED TO URBAN TRANSPORTATION NETWORKS<br>*K. Karpagam, J. Sinthiya, Shalini. N* |
| | EIT2625 | MATHEMATICAL MODELLING AND STABILITY ANALYSIS OF AN ARTIFICIAL INTELLIGENCE-DRIVEN DIGITAL LIBRARY SYSTEM<br>*S. Manikandan, Vasanthkumar Boniface, S. Praveen* |

| | | |
|---|---|---|
| | EIT2626 | COTANGENT SIMILARITY MEASURES FOR TRIANGULAR FUZZY MULTI-NUMBERS IN MEDICAL DIAGNOSIS<br>*Vivek E, Uma N, Akash B* |
| | EIT2627 | A NOVEL COSINE SIMILARITY MEASURE FOR FUZZY MULTI-NUMBERS WITH APPLICATIONS IN MEDICAL DIAGNOSIS<br>*N. Uma, E. Vivek, Mounika.S* |
| | EIT2628 | IoT-ENABLED WEARABLE TECHNOLOGY AS AN ASSISTIVE TOOL FOR HOME-BASED BEHAVIOURAL MONITORING IN AUTISM: A FEASIBILITY CASE STUDY<br>*Mahaletchumy Ramakrishnan, Marini Othman* |
| | EIT2629 | STAR EDGE COLOURING OF PRISM GRAPHS<br>*V Kowsalya, Mathanika S* |
| | EIT2630 | COURSEWISER: DESIGN AND IMPLEMENTATION OF A PERSONALIZED LEARNING PLATFORM WITH INSTRUCTION-TUNED LANGUAGE MODELS AND DOCUMENT RETRIEVAL<br>*Aniket Patel, Selvanayaki Kolandapalayam Shanmugam* |
| | EIT2631 | GRAPH-ENHANCED ZERO-TRUST SECURITY GOVERNANCE FOR AWS HEALTHCARE APPLICATIONS USING POLICYTWIN-RL AND DYNAMIC ATTACK-PATH ANALYSIS<br>*Manupriya R, G. Fathima* |
| | EIT2632 | SELF-ADAPTIVE EVOLUTIONARY SOFT COMPUTING MODEL FOR CONTINUAL ENVIRONMENTAL RISK PREDICTION UNDER CONCEPT DRIFT<br>*Gayathri. S, G Fathima* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | EIT2633 | MULTI-OBJECTIVE GREEN HEALTHCARE INFRASTRUCTURE OPTIMIZATION USING ECOGRAD-BOOST AND REINFORCEMENT LEARNING FOR ENERGY–WASTE–CARBON MANAGEMENT<br>*Supriya S, G. Fathima* |
| | EIT2634 | ANALYSIS OF NETWORK SECURITY TECHNIQUES EMPLOYED IN ALGORITHMS AND PERFORMANCE ASSESSMENT.<br>*Prabhaharan A, Sangavi S, Shamina S, Sowmiya R, Swathy K* |
| | EIT2635 | GLOBAL STRONG DOMINATION AND ITS PROPERTIES IN INTERVAL-VALUED FUZZY GRAPHS<br>*Sangeetha K, Solairani P* |
| | EIT2636 | GREEN COMPUTING PRACTICES AND RESPONSIBLE E-WASTE DISPOSAL INTENTION AMONG IT PROFESSIONALS AND ENGINEERING STUDENTS IN COIMBATORE<br>*D Mythili, M. Ganeshwari, Aruna Prabha S, V. Imayavendan, V. Akalya* |

| | | |
|---|---|---|
| | EIT2637 | POINT-SET DOMINATION WITH LAPLACIAN SPECTRAL CHARACTERIZATION: APPLICATIONS TO BIOMEDICAL COMPLEX NETWORKS<br>*R.S. Dharani, P. Solairani* |
| | EIT2638 | LoRa-INTEGRATED STATUS MONITORING SYSTEM FOR UNMANNED GROUND VEHICLES USING Mio T<br>*Kavitha V, Narasimhan B, Shivakumar B L, Krishnapriya V, Mani N* |
| | EIT2639 | CONSTRUCTION AND SELECTION OF AN INTERVAL TYPE-II FUZZY SIX-SIGMA BASED QUICK SWITCHING SYSTEM - IT2F-QSS-3(n, kn, $c_0$)<br>*Mani N, Narasimhan B, Kavitha, Sivakumaran PK, Shivakumar B L* |

# Technical Sessions

| ENGINEERING & INFORMATION TECHNOLOGY TRACK 3 | |
|---|---|
| **Channel 10** | **[MS Teams]** LINK TO JOIN ENGINEERING AND INFORMATION TECHNOLOGY TRACK 3<br>Meeting ID: 487 832 332 838 213<br>Passcode: Sn2Tr6Xk |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Dr. J. Martin Sam Gnanaraj** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | EIT2640 | EVALUATING THE DIELECTRIC PERFORMANCE OF TRANSFORMER OIL AND ANTIOXIDANTS UNDER IMPULSE STRESS<br>*Bharathidasan Mohan, B. Perumal, G. Elango, M. Sukanya, J. Jalendira, S.S. Sravani* |
| | EIT2641 | LARES: AN AI-POWERED ELDERLY FALL DETECTION AND ALERT SYSTEM<br>*Selvanayaki Kolandapalayam Shanmugam, Elijah Beere* |
| | EIT2642 | MEMORY-DEPENDENT IMMUNE SURVEILLANCE AND RELAPSE THRESHOLDS IN A FRACTIONAL TUMOR–IMMUNE–CHEMOTHERAPY MODEL WITH THE ATANGANA–BALEANU DERIVATIVE AND OPTIMAL DRUG SCHEDULING<br>*A. Anuradha, B Hemalatha, M Muthuchelvam* |
| | EIT2643 | LEVERAGING ARTIFICIAL INTELLIGENCE FOR ENHANCED ENERGY EFFICIENCY AND QUALITY ASSURANCE<br>*Ruby Celsia Arul Selvaraj, Aleen Sofiya, Pramika, Madhan P* |
| | EIT2644 | APPRAISAL IN MSMES IN COIMBATORE: THE ROLES OF FAIRNESS AND TRUST<br>*N. Prem Anand, Preethika Mohanasundaram* |
| | EIT2645 | A ROBUST AND EXPLAINABLE DEEP LEARNING FRAMEWORK FOR MOBILE MALWARE DETECTION |

| | | |
|---|---|---|
| | | *Narmadha K, Thamizharasi R, Shamina S, Sneka R, Amutha K* |
| | EIT2646 | ECOPREDICT: A MACHINE LEARNING-BASED FORECASTING FRAMEWORK FOR SUSTAINABLE RESOURCE MANAGEMENT<br>*R. Darshini, K. R. Prabha, R. Senthil Kumar, Darshna Senthilkumaran, K. Dhanumithra* |
| | EIT2647 | DIGITAL FOUNDER DEVELOPMENT PATHWAY: A STUDY ON CONTENT CREATION AND PERSONAL BRANDING AS CATALYSTS FOR ENTREPRENEURIAL IDENTITY<br>*A. Sivakumar, G. Suja* |
| | EIT2648 | A RISK-BASED CRITICALITY ASSESSMENT MODEL FOR HVAC ASSET PRIORITIZATION IN MULTI-BRANCH UNIVERSITY FACILITIES: A UTAS CASE STUDY<br>*Al Ashraf Al Shamakhi, Sivakumar Paramasivam* |
| | EIT2649 | AI-BASED PREDICTIVE OPTIMIZATION OF GREEN HYDROGEN PRODUCTION FROM HYBRID SOLAR PV–CSP AND WIND SYSTEMS FOR SMART GRID INTEGRATION<br>*Santoshi Kanagala, Ramesh Palanisamy* |
| | EIT2650 | BEYOND ACCURACY: TRUSTWORTHY AND RESOURCE-EFFICIENT AI FOR SUSTAINABLE ELECTRICITY-DEMAND FORECASTING<br>*Senthilkumar Moorthy, Abdul Hakim Mohammed, Mohammed Bashir, Ramesh Palanisamy* |
| | EIT2651 | ROBOLEARNPI AS A COURSE-GROUNDED AI TEACHING ASSISTANT: A DESIGN-BASED STUDY OF PERSONALIZED LEARNING IN CYBERSECURITY EDUCATION<br>*Ramesh Palanisamy, Senthil Jayapal, V. Mathivanan, Vimal Kumar Stephen, Tauqeer Ullah, Mohamed R. Rafi, Annadurai Manickam Nadar* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | EIT2652 | DESIGN AND TECHNICAL EVALUATION OF A CONVERSATIONAL ACADEMIC CHATBOT FOR LEARNING SUPPORT<br>*Ramesh Palanisamy, Elamparithy Selvarasu, Anand Muthukumarappan, Chethan Godlumane Ramesh, Samyuktha Ravichandran* |
| | EIT2653 | AI-POWERED EMOTION RECOGNITION FOR COOPERATION BETWEEN HUMANS AND ROBOTS IN SMART FACTORIES<br>*J. Nirubarani, Kala Karuthedath, S. Mekala, R. Venkatesan* |
| | EIT2654 | PRACE-ESQ: PREDICTIVE RISK-AWARE CROSS-LAYER ENERGY–SPECTRUM MANAGEMENT FOR QOS- AWARE ENERGY-HARVESTING COGNITIVE WIRELESS SENSOR NETWORKS<br>*V. Uthra, B.L Shivakumar* |
| | EIT2655 | HYBRID STOICISM: A BLEND OF STOICISM AND MACHIAVELLIANISM *"THE STOIC PRINCE"* |

| | | |
|---|---|---|
| | | *Prathiksha D, R. Senthil Kumar* |
| | EIT2656 | A HYBRID CNN-LSTM FRAMEWORK FOR INTERNET OF THINGS ENABLED PARKING ENVIRONMENT<br>*N. Paviyasre, P. Shivaranjani* |
| | EIT2657 | TINYML-BASED IOT SYSTEM FOR REAL-TIME MULTI-PARAMETER WATER QUALITY ASSESSMENT<br>*Kavitha K, R. Senthil Kumar, Baskar G, Divash Devak M, Jaganathan S, Akash A* |
| | EIT2658 | AIR QUALITY ASSESSMENT USING DUAL RELIABILITY PLITHOGENIC FUZZY MULTI SET<br>*K. Jeya Lekshmi, S. Poorani* |

# Technical Sessions

| BUSINESS, MANAGEMENT & EDUCATION TRACK 1 | |
|---|---|
| **Channel 11** | **[MS Teams]** LINK TO JOIN BUSINESS, MANAGEMENT & EDUCATION TRACK 1<br>Meeting ID: 424 906 838 858 145<br>Passcode: xe6xy2iX |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Prof. Dr. Hariharan N Krishnasamy (2.00 to 3.30 PM) & Prof. Dr. Abdul Rahman (4.00 to 5.00 PM)** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | BME2601 | EDUCATING FOR A JUST FUTURE: SUSTAINABILITY, EQUITY AND STUDENT AGENCY IN INDIAN HIGHER EDUCATION<br>*Anandhi. M, R. Priyadharshini* |
| | BME2602 | EXAMINING THE DUAL EFFECTS OF AI ADOPTION ON UNIVERSITY STUDENTS' COGNITIVE ABILITIES AND SUSTAINABLE LEARNING<br>*Ann Mercy J, C Brindhadevi, Yazhini D, Vasuki P* |
| | BME2603 | GLOBAL COLLABORATION FOR SUSTAINABLE DEVELOPMENT GOALS: INTEGRATING HIGHER EDUCATION AND RESPONSIBLE BUSINESS PRACTICES FOR INCLUSIVE GROWTH<br>*W Saranya, R Arun Prakash, D Sharon, Meredith Chelsea R* |
| | BME2604 | ARTIFICIAL INTELLIGENCE IN HIGHER EDUCATION AND ITS IMPACT ON STUDENTS' EMPLOYABILITY AND SUSTAINABLE CAREER DEVELOPMENT<br>*Rekha. R, Vidhya. P, Sajitha. J* |
| | BME2605 | RECONCEPTUALISING THE ANTHROPOCENE: CLIMATE CHANGE, MIGRATION, AND ECOLOGICAL CRISIS IN CONTEMPORARY INDIAN FICTION<br>*V. Jamuna, D. Deepikadevi* |
| | BME2606 | DYNAMIC TRANSFORMATION IN ENGLISH LANGUAGE TEACHING: INTEGRATING BORN-DIGITAL ELECTRONIC LITERATURE AS A MULTIMODAL PEDAGOGICAL RESOURCE |

| | | |
|---|---|---|
| | | *Balamayuranathan B, Malliga N, C. Balamurugan, Mary Vellangani, K. Angel Vinoliya* |
| | BME2607 | EVIDENCE BEFORE TECHNOLOGY: A THEORY-BASED CONCEPTUAL FRAMEWORK FOR HELP-SEEKING BARRIERS AND AI-ASSISTED REFERRAL AMONG COLLEGE STUDENTS IN INDIA<br>*R. Priyadharsini, G. Kavitha, J. Deepakkumar, P.Suji* |
| | BME2608 | INDIGENOUS ECO-HYDROLOGY AND CLIMATE ADAPTATION: READING KONGU REGION'S CASCADING TANK ARCHITECTURE AND KODUMANAL INDUSTRIAL DRAINAGE THROUGH UN SDG 6<br>*M. Bhuvaneshwari, P. Manochithra* |
| | BME2609 | QUANTIFYING THE SELF: DATA-DRIVEN IDENTITY AND ADOLESCENT MENTAL HEALTH IN WINTER GIRLS<br>*Subitsha S, Balamayuranathan B* |
| | BME2610 | EFFECTIVENESS OF ARTIFICIAL INTELLIGENCE CHATBOTS IN ENHANCING STUDENTS' LEARNING OUTCOMES AMONG THE HIGHER EDUCATIONAL INSTITUTIONS: A STUDY IN COIMBATORE CITY<br>*Kalaivani R, R Mayilsamy, S Nirmala, C Suresh, G Kishore Kumar, M Gunasekaran, S Ganapathi, K R Madhu Prethaa* |
| | BME2611 | A NOVEL CUBIC FUZZY RESOLVING SET MODEL FOR STOCK PORTFOLIO MANAGEMENT<br>*M. Indhumathi, K. Gomathi* |
| | BME2612 | ACHIEVING SUSTAINABLE DEVELOPMENT GOALS THROUGH GLOBAL COLLABORATION: RETHINKING PARTNERSHIPS FOR AN INCLUSIVE AND SUSTAINABLE FUTURE<br>*Amsaveni, Deepa O* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)** | BME2613 | LEADERSHIP DEVELOPMENT FOR SUSTAINABLE AND ETHICAL ORGANIZATIONS: THE ROLE OF HUMAN RESOURCE MANAGEMENT<br>*D Divya, Habeeba P* |
| | BME2614 | CYBER SECURITY AND RISK MANAGEMENT IN DIGITAL BUSINESSES<br>*A Samvida, K Sumathi, P Anitha, S. Kiruthika* |
| | BME2615 | QUEUING STUDY OF M/M/C SYSTEM WITH INCENTIVIZED ARRIVALS AND RENEGING EVENTS<br>*P Prakati, M Dhanalingam* |
| | BME2616 | ENHANCING PRODUCTION EFFICIENCY IN FRUIT JUICE PROCESSING PLANTS THROUGH CRITICAL CHAIN PROJECT MANAGEMENT: A CASE STUDY<br>*J Sinthiya, K Karpagam, J Jaya Sivavelan* |
| | BME2617 | CUSTOMER RELATIONSHIP MANAGEMENT IN DIGITAL BUSINESSES |

| | | |
|---|---|---|
| **01.30 – 02:30 PM (IST)** | | *J. Sarada, D Radha Sri, S. Prakash, V. Priyanka* |
| | BME2618 | FINANCIAL EMPOWERMENT OF WOMEN ENTREPRENEURS THROUGH SELECTED GOVERNMENT SCHEMES IN INDIA -AN ANALYTICAL STUDY OF COIMBATORE DISTRICT<br>*Sri Gayathri. S, Vanitha. A, Jayanthi Shobana. S, Sowmya. G* |
| | BME2619 | DIGITAL AND DATA LITERACY AS A PATHWAY TO FINANCIAL INCLUSION FOR SMALL RETAILERS IN COIMBATORE DISTRICT<br>*D Mythili, M. Ganeshwari, R.K. Sudhamathi, P B Saranya, M.A. Vijaya* |
| | BME2620 | PREPARING THE SHOP FLOOR FOR NET ZERO THROUGH GREEN SKILL READINESS AND JUST TRANSITION PREPAREDNESS IN COIMBATORE'S ENGINEERING MSMEs<br>*Jayashree R, G. Vanitha, Maureen Mirdulla R* |

# Technical Sessions

| BUSINESS, MANAGEMENT & EDUCATION TRACK 2 | |
|---|---|
| **Channel 12** | **[MS Teams]** LINK TO JOIN BUSINESS, MANAGEMENT & EDUCATION TRACK 2<br>Meeting ID: 470 713 871 320 671<br>Passcode: vV3AL6yC |
| Date | 23-October -2025 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Assoc. Prof. Dr. Anantha Raj** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | BME2621 | PERCEIVED AUTHENTICITY OF CORPORATE SOCIAL RESPONSIBILITY AND ITS EFFECT ON ORGANISATIONAL PRIDE AMONG EMPLOYEES IN COIMBATORE MANUFACTURING FIRMS<br>*B Merceline Anitha, Ponni C K, Monisha K* |
| | BME2622 | SUSTAINABLE HRM AND EMPLOYEE WELL-BEING: THE MEDIATING ROLE OF SUSTAINABLE WORK ENGAGEMENT IN ADVANCING SDG 8<br>*B Merceline Anitha, Lawrence G* |
| | BME2623 | REDEFINING CORPORATE CULTURE WITH INTELLIGENT DATA ANALYSIS: A SKETCH OF PUBLIC AND PRIVATE NON-BANKING FINANCIAL COMPANIES IN INDIA<br>*Rubina Hamza PV, J. Jayashree, Umesh U, N. Sushmitha* |
| | BME2624 | INVESTIGATING THE RELATIONSHIP BETWEEN SMARTPHONE USAGE, EMOTIONAL INTELLIGENCE, AND ACADEMIC PERFORMANCE AMONG TERTIARY LEARNERS<br>*N. Amsaveni, K. Prabhakaran* |
| | BME2625 | DIGITAL TRANSFORMATION AND ESG PERFORMANCE: THE MEDIATING ROLE OF ORGANISATIONAL INNOVATION.<br>*C. Poornima* |

| | | |
|---|---|---|
| | BME2626 | DIGITAL FINANCIAL INCLUSION AND SUSTAINABLE DEVELOPMENT: THE ROLE OF FINANCIAL LITERACY AND FINTECH ADOPTION AMONG YOUNG ADULTS<br>*Vidhya. P, Rekha. R, Sajitha. J* |
| | BME2627 | GREEN SUPPLY CHAIN MANAGEMENT PRACTICES AND COMPETITIVE ADVANTAGE IN MANUFACTURING SMEs<br>*I Parvin Banu, R Sivaramakrishnan, B Devipriya, L R Siva Raman* |
| | BME2628 | SOCIAL MEDIA MARKETING, CONSUMER TRUST AND ONLINE PURCHASE INTENTION AMONG FEMALE CONSUMERS IN BANGLADESH: IMPLICATIONS FOR INCLUSIVE DIGITAL BUSINESS<br>*Sayeda Sultana Parvin* |
| | BME2629 | SUSTAINABLE SUPPLY CHAIN MANAGEMENT PRACTICES IN AGRO-ENTREPRENEURSHIP: AN EMPIRICAL STUDY IN COIMBATORE DISTRICT<br>*S. Shajitha Banu, T. Kanimozhi, G. Gayathri* |
| | BME2630 | DIGITAL TECHNOLOGY ADOPTION AND BUSINESS PERFORMANCE OF SMALL AND MEDIUM ENTERPRISES: AN EMPIRICAL STUDY IN THE POST-PANDEMIC ERA<br>*P. VishalinReshma, R. Kavithamani* |
| | BME2631 | ALGORITHMIC PERSONALISATION AND CONSUMER DECISION AUTONOMY MEDIATED DIGITAL RETAIL ENVIRONMENTS AMONG CONSUMERS IN COIMBATORE DISTRICT<br>*Mangaiyarkarasi M, T. Prabu Vengatesh* |
| | BME2632 | THE ROLE OF GREEN BONDS AND CLIMATE-FRIENDLY LOANS IN PROMOTING SUSTAINABLE FINANCE<br>*Mangaiyarkarasi M, M. Bharathi* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | BME2633 | ARTIFICIAL INTELLIGENCE ADOPTION AND ORGANIZATIONAL PERFORMANCE: THE MEDIATING ROLE OF EMPLOYEE PRODUCTIVITY IN INDIAN ORGANIZATIONS<br>*P. Manochithra, M. Bhuvaneshwari* |
| | BME2634 | PRICE SENSITIVITY AND WILLINGNESS TO PAY A PREMIUM FOR CERTIFIED BIODEGRADABLE AND ZERO-WASTE PRODUCTS: AN EMPIRICAL STUDY OF CONSUMER PREFERENCES AND SUSTAINABLE CONSUMPTION.<br>*A.Marlyn Rose, T.Prabu Vengatesh, K.Yuvaraj* |
| | BME2635 | SUSTAINABLE SUPPLY CHAIN ADOPTION AMONG ECO-CONSCIOUS ENTREPRENEURS: AN INVESTIGATION OF INTEGRATION BETWEEN GREEN, TRANSPARENT AND CIRCULAR PRACTICES THROUGH STRUCTURAL EQUATION MODELLING APPROACH. |

| | | |
|---|---|---|
| | | *Chandrakala N, Kowsalya M, Manjula Mohan, Vasumathi T* |
| | BME2636 | ENGAGING GENERATION Z FOR SUSTAINABLE CONSUMPTION: SOCIAL MEDIA ENGAGEMENT, SUSTAINABILITY COMMUNICATION AND CUSTOMER-BASED BRAND EQUITY OF BEVERAGE BRANDS IN COIMBATORE DISTRICT<br>*N. Srimathi, A. Nagalaxmi, S. Manikandan* |
| | BME2637 | BUILDING EMPLOYEE RESILIENCE IN DIGITALLY TRANSFORMING ORGANISATIONS: THE ROLE OF PSYCHOLOGICAL EMPOWERMENT AND ORGANISATIONAL SUPPORT<br>*J. Novina Steffy* |
| | BME2638 | AI ADOPTION AND SUSTAINABLE BUSINESS PERFORMANCE: EVIDENCE FROM INDIAN SMEs<br>*R. Greeshma* |
| | BME2639 | SOCIAL SUSTAINABILITY IN HUMAN RESOURCE MANAGEMENT: THE ROLE OF EMPLOYEE WELL-BEING, TRAINING AND DEVELOPMENT, AND DIVERSITY AND INCLUSION<br>*Sonal J S, D Divya* |

# Technical Sessions

| BUSINESS, MANAGEMENT & EDUCATION TRACK 3 | |
|---|---|
| **Channel 13** | **[MS Teams]** **LINK TO JOIN BUSINESS, MANAGEMENT & EDUCATION TRACK 3**<br>Meeting ID: 476 277 272 637 305<br>Passcode: fW6XW7Ji |
| Date | 23-October -2026 (FRIDAY) |
| Time | 02.00 PM to 05.00 PM (MYT)/ 11:30 AM - 02:30 PM (IST) |
| **Session Chair** | **Dr. Venoth Rex** |

Please Note: **IST**- Indian standard time, **MYT**- Malaysian standard time

| TIME | ABSTRACT ID | TITLE & AUTHORS |
|---|---|---|
| **SESSION 1**<br><br>**02:00 – 03.30 PM (MYT)**<br><br>**11.30 AM– 01:00 PM (IST)** | BME2640 | THE IMPACT OF AI RECOMMENDATIONS ON IMPULSE BUYING BEHAVIOUR IN E-COMMERCES.<br>*VahiniSree, D. Renukadevi* |
| | BME2641 | ARTIFICIAL INTELLIGENCE AND PERSONALIZED MARKETING OF GREEN PRODUCTS<br>*D. Renukadevi* |
| | BME2642 | IMPACT OF AI ON SUSTAINABLE BUSINESS PRACTICES: AN EMPIRICAL STUDY AMONG THE INDIAN RETAIL SECTOR<br>*K C Praveen, Shrija C S, R Kesavamoorthy, M Dhanalakshmi* |
| | BME2643 | DETERMINANTS OF MOBILE MONEY ADOPTION AND ITS IMPACT ON FINANCIAL EXCLUSION: AN EXTENDED UTAUT APPROACH<br>*N. Devaram, P. Jayasubramanian* |
| | BME2644 | PARADIGM SHIFT TOWARDS SUSTAINABLE TOURISM DEVELOPMENT PRACTICES IN NILGIRIS- A RESIDENT PERSPECTIVE.<br>*N Chandrakala, R Arthi, P Keerthivasan* |
| | BME2645 | ARTIFICIAL INTELLIGENCE IN BUSINESS: TRANSFORMING CONSUMER DECISION-MAKING AND |

| | | |
|---|---|---|
| | | BUSINESS PERFORMANCE<br>*D. Santhanakrishnan, P. Pirakatheeswari, M. Vadivel, R. Arunprakash* |
| | BME2646 | ANALYZING THE INFLUENCE OF SOCIAL MEDIA INFLUENCER MARKETING ON GEN Z PURCHASING DECISIONS<br>*P. Pirakatheeswari, D. Nanee, S. Krishnaprabha, R. Janani* |
| | BME2647 | DIGITAL GENDER DIVIDE AND EMPOWERING WOMEN IN THE DIGITAL AGE- A EMPIRICAL STUDY IN COIMBATORE<br>*G. Rajamani* |
| | BME2648 | IMPACT OF AI-GENERATED INFLUENCERS ON CONSUMER PURCHASE INTENTION: A STUDY OF YOUNG CONSUMERS<br>*Monica Sainy* |
| | BME2649 | AI-DRIVEN BRSR COMPLIANCE AND SUSTAINABILITY ASSURANCE: EMERGING OPPORTUNITIES AND GOVERNANCE CHALLENGES FOR INDIAN LISTED COMPANIES<br>*P. Manochithra, M. Bhuvaneswari* |
| | BME2650 | DIGITAL FINANCIAL INCLUSION AND SUSTAINABLE ECONOMIC DEVELOPMENT: AN EMPIRICAL ANALYSIS OF INDIA IN THE CONTEXT OF SUSTAINABLE DEVELOPMENT GOALS<br>*M. Devaki, Siva Thivya R* |
| | BME2651 | INDIA 2047: TOWARDS GREEN GROWTH, INCLUSIVE DEVELOPMENT, AND ENVIRONMENTAL RESILIENCE<br>*D.Samundeeswari* |
| **TEA BREAK (03.30 - 04.00 PM, MYT/01:00 - 01:30 PM, IST)** | | |
| **SESSION 2**<br><br>**04:00 – 05.00 PM (MYT)**<br><br>**01.30 – 02:30 PM (IST)** | BME2652 | IMPROVING WORKFORCE OPTIMIZATION WITH MACHINE LEARNING-BASED PREDICTIVE EMOTION ANALYSIS<br>*Kiruthika.D, Thulasimani.M, Kowsalya, Maria Fulgen* |
| | BME2653 | IMPROVING COGNITIVE LOAD MANAGEMENT IN SMART FACTORIES USING EMOTION-BASED TECHNIQUES<br>*E.Kamatchi Muthulakshmi, V. Deepha, R. Geetha, Gayathri* |
| | BME2654 | CELEBRITY ENDORSEMENT IN THE DIGITAL ERA: EXPLORING YOUNG CONSUMERS' PERCEPTIONS AND SUSTAINABLE PURCHASE BEHAVIOUR IN COIMBATORE<br>*Lavanya M R, Jenifer Thangam J, Infant Emiliya W* |
| | BME2655 | ANALYZING THE DETERMINANTS OF ECO-FRIENDLY CONSUMER BEHAVIOR AMONG |

| | | |
|---|---|---|
| | | GENERATION Z<br>*K Gunaseelaprabhu, B.Nisha, G Agila, Mokana Muthu Kumarasamy* |
| | BME2656 | ANALYZING THE IMPACT OF SUSTAINABLE BRANDING ON CONSUMER AWARENESS AND PREFERENCES FOR ORGANIC PRODUCTS<br>*K Gunaseelaprabhu, Deepika. A, B. Baskar, R Akash* |
| | BME2657 | A DATA-DRIVEN ANALYSIS OF FINANCIAL PERFORMANCE AND GROWTH FACTORS IN IT SERVICE STARTUPS<br>*K Gunaseelaprabhu, Sunil Pradeep S, K. Sabarinathan, M.K. Senthil Kumar* |
| | BME2658 | READING THE INFORMATIONAL BODY: BIOCAPITALISM AND BIOPOLITICS IN ROBIN COOK'S MARKER<br>*Sanjutha U, Mary Velanganni M, K. Angel Vinoliya, B. Balamayuranathan, C. Bala murugan* |

# GCSGD 2026

## Theme: Achieving Sustainable Development Goals through Global Collaboration

### Organiser

EINSTEIN RESEARCH ACADEMY

### Host & Co-organiser

INTI International University
YOUR FUTURE BUILT TODAY

SRM INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)

AMITY UNIVERSITY CHHATTISGARH

SRI RAMAKRISHNA COLLEGE OF ARTS & SCIENCE
AUTONOMOUS | CO-EDUCATION
Nava India, Coimbatore - 641 006

VELS
INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
(Deemed to be University Estd. u/s 3 of the UGC Act, 1956)
PALLAVARAM, THALAMBUR, PERIYAPALAYAM-CHENNAI
ACCREDITED BY NAAC WITH 'A++' GRADE

UNIVERSITI GEOMATIKA MALAYSIA
DU059(W)

Estd 1986
RVS CAS
Building Intellectual Capital

ADHIYAMAAN COLLEGE OF ENGINEERING
HOSUR
ACHIEVE CREATE EXCEL

NEHRU ARTS & SCIENCE COLLEGE
COIMBATORE

SAINTGITS COLLEGE OF ENGINEERING AND TECHNOLOGY
AUTONOMOUS

Dr. SNS RAJALAKSHMI COLLEGE OF ARTS AND SCIENCE
WISDOM • TALENT • PROSPERITY
COIMBATORE

D.N.G.P. ARTS AND SCIENCE COLLEGE
1997

UNIVERSITAS BRAWIJAYA