Virtual GLOBAL CONGRESS ON SUSTAINABLE GROWTH & DEVELOPMENT 2023-HEALTH AND LIFE SCIENCES (GCSGD2023-HLS)

DATE: 15 DECEMBER 2023

INSTITUTE OF SCIENCE, TECHNOLOGY & ADVANCED STUDIES (VISTAS)
(Deemed to be University Estd. u/s 3 of the UGC Act, 1956)
PALLAVARAM - CHENNAI
ACCREDITED BY NAAC WITH 'A' GRADE
Institution with UGC 12B Status
Marching Beyond 30 Years Successfully

Conference Webpage: https://einstein.co.in/gcsgd-2023/

Table of Contents

GCSGD 2023-HLS

In line with the Sustainable Development Goals (SDGs) on protection and promoting sustainable growth and development for our own and future generations, this global congress in health and life sciences provides an international platform to identify the key developments that contribute to a better future in health and life sciences.

Global Congress on Sustainable Growth and Development 2023-Health and Life Sciences aims to:

1. Bring together academicians and experts around the world to present and share their expertise, knowledge and research findings towards sustainability and growth in health and life sciences.

2. Stimulate and strengthen interdisciplinary research links among researchers and stakeholders worldwide to take the bold and transformative steps to shift the world on to a sustainable and resilient path.

Main theme

Moving towards Sustainable Development Goals in Health and Life Sciences

Sub-themes

- Human Health and Well Being
- Sustainable Environment
- Biotechnology and Biological Sciences
- Pharmaceuticals and Nutraceuticals
- Food Security and Sovereignty
- Innovation, Infrastructure and Nanotechnology for Sustainability
- Applied Sciences

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

Message from Advisor

Professor Dr. Wong Ling Shing

Pro Vice Chancellor, INTI International University,

Malaysia & President, Einstein Research Academy

Welcome to Global Congress on Sustainable Growth and Development 2023 – Health and Life Sciences (GCSGD 2023 HLS). The importance of achieving sustainable growth and development cannot be emphasised enough. Given the global population's rapid growth to 8 billion, the unprecedented rise in carbon emissions, the alarming accumulation of waste materials, and the rapid depletion of clean resources, it is now crucial to engage in a collective discussion regarding the pressing concerns surrounding the sustainability of our home – planet earth.

It gives me great hope to observe the unwavering commitment of countless researchers, who tirelessly contribute to the progress of knowledge in the fields of health and life sciences. In light of the positive outcomes of our past Global Congress events in 2020 to 2022, which garnered the active involvement of more than 200 participants, we have made the decision to organise our 4th Global Congress virtually in 2023.

I am pleased to inform you that the INTI Journal will continue to support us in publishing exceptional papers produced from our congress. The chosen papers will be submitted to Scopus indexed journals for possible publication. I urge all authors to work closely with our technical and review committee members to ensure that our papers are adhered to the journals' quality, to guarantee a smooth publication process.

I would like to take this opportunity to express my gratitude to Einstein Research Academy, INTI International University, Universiti Geomatika Malaysia, VELS Institute of Science, Technology, and Advanced Studies (VISTAS), and Viyen Biotech LLP in India for their contribution to make GCSGD 2023 HLS a success. I would like to express my sincere gratitude to the esteemed members of the committee for their diligent efforts and extend my warmest congratulations for successfully completing the task. Given the accomplishments we have made, I am confident about the possibility of arranging GCSGD once more in 2024.

Message from Chair 1

Er. Kannan Ponkoodalingam

Cyber Security Trainer & Vice President, Einstein Research Academy

On behalf of the organizing committee, I am delighted to welcome all delegates to the annual conference of Einstein Research Academy, the "Global Congress on Sustainable Growth and Development 2023-Health and Life Sciences (GCSGD2023-HLS)". I am excited about the wide variety of ideas that scholars and practitioners will bring into our fold. With knowledgeable insights, this richness of ideas bodes well for the Health and Life Sciences field.

The theme for the conference "Moving towards Sustainable Development Goals in Health and Life Sciences" is most appropriate at this moment which is dedicated to creating our future. During this adversity, as the pandemic ravaged the globe and holding a live conference is not advisable, our community have taken this unprecedented challenge and ready to share our knowledge using digital platform. With preparedness and safety at the forefront of our minds, we look forward to engaging virtual event experiences and flexing our muscles in hybrid formats to cautiously embrace the joy of knowledge sharing.

As a conference chair of GCSGD 2023 HLS, I do know that the success of the conference depends ultimately on the many people who have worked with us in planning and organizing both the technical program and supporting social arrangements, hence deepfelt appreciations to them. In particular, I would like to thank all of our co-organizers for providing their generous support. With this great success, hope to see all of you again in GCSGD 2024.

Message from Chair 2

Assistant Professor Dr. Sinouvassane Djearamane
Universiti Tunku Abdul Rahman (UTAR), Malaysia &
Secretary General, Einstein Research Academy

On behalf of the organizing committee, it is our prodigious honor to invite and welcome everyone to the "Global Congress on Sustainable for Growth and Development 2023-Health and Life Sciences (GCSGD2023-HLS)". This global congress is organized by Einstein Research Academy and supported by INTI International University & Geomatika University from Malaysia, and Vel's University & Viyen Biotech, India.

This event aims to bring together academicians and world experts to present and share their expertise, knowledge and research findings towards sustainability and growth, and also to motivate and strengthen interdisciplinary research links in health and life sciences among researchers and stakeholders worldwide to take the bold and transformative steps to shift the world on to a sustainable and resilient path.

As the organizing chair of this event, I would like to thank the organizers for their valuable support, reviewers for evaluating the conference papers, distinguished speakers for sharing their treasured knowledge, and all the presenters in sharing their scientific novel as well as innovative findings. Further, I am indebted to all the members of the organizing committee, scientific session chairs and master of ceremonies for their obligation and meticulousness to make this event memorable and successful.

Message from Chair 3

Associate Professor. Dr. B. Prakash Balu

Head, Department of Biotechnology, School of Life Sciences

Vels Institute of Science, Technology and Advanced Studies (VISTAS), India

It is my great pleasure to welcome all the attendees to the "Global Congress on Sustainable Growth and Development 2023-Health and Life Sciences (GCSGD2023-HLS)".

The growing interests, the enthusiasm of the participants have proved that the global congress has become an internationally recognized scientific event. It brings the scholars from various disciplines to hold a dialogue on the conference theme "Moving towards Sustainable Development in Health and Life sciences ". GCSGD2023-HLS has invited eminent keynote speakers to share their valuable knowledge and expertise with us and allotted adequate time for questions and discussions in order to engage the member audience.

My heartfelt thanks go to the organizers, distinguished speakers, reviewers, academicians, research scholars, and graduate students for their presence and enthusiastic participation to make this event successful. I would like to express my heartfelt gratitude to the members of the organizing committee for their dedication and hard work, without which this GCSGD 20223-HLS would not have been properly organized. I hope you will enjoy the contents, make new friends, gain new ideas, and, most importantly, have a good time.

Organizing Committee

Advisor

- Prof. Dr. Wong Ling Shing, INTI International University, Malaysia

Organizing Chairs

- Er. Kannan Ponkoodalingam, Vice President, Einstein Research Academy, India.
- Asst. Prof. Dr. Sinouvassane Djearamane, Universiti Tunku Abdul Rahman (UTAR), Malaysia
- Assoc. Prof. Dr. B. Prakash Balu, Vels Institute of Science, Technology and Advanced Studies, India

Organizing Secretaries

- Prof. Dr. K. Saminathan, University Geomatika Malaysia
- Dr. Ranjithkumar Rajamani, Viyen Biotech LLP, India

Scientific Committee

- Prof. Dr. N. Arumugam, King Saud University, Saudi Arabia
- Prof. Dr. N. Duraimutharasan, AMET University, India
- Prof. Dr. D. Jagadeswaran, Saveetha College of Allied Health Sciences, Saveetha University, India
- Prof. Dr. R. A. Kalaivani, Vels Institute of Science, Technology and Advanced Studies, India
- Prof. Dr. Kumaresan A, Saveetha College of Physiotherapy, Saveetha University, India
- Prof. P. Lalitha, Avinashilingam Deemed University, India
- Prof. Dr. Manoj Abraham. M, KG College of Physiotherapy, The Tamilnadu Dr MGR Medical University, India
- Prof. Dr. Prathap Suganthirababu, Saveetha College of Physiotherapy, Saveetha University, India
- Prof. Dr. Senthil Purushothaman, Chettinad Academy of Research and Education, India
- Prof. Dr. G. Somasundaram, Sri Lakshmi Narayana Institute of Medical Sciences, India
- Prof. Dr. A. Usha Raja Nanthini, Mother Teresa Women's University, India
- Assoc. Prof. Dr. Alice Escalante De Cruz, Nilai University, Malaysia
- Assoc. Prof. Dr. Cheng Wan Hee, INTI International University, Malaysia
- Assoc. Prof. Dr. K. Govindaraju Kasivelu, Sathyabama Deemed University, India
- Assoc. Prof. Dr. Hema Ramachandran, Quest International University, Malaysia
- Assoc. Prof. Dr. Hemavathy Surikumaran, Geomatika University Malaysia
- Assoc. Prof. Dr. Lavanya Prathap, Saveetha Dental College, Saveetha University, India
- Assoc. Prof. Dr. Ng Shee Ping, Nilai University, Malaysia
- Assoc. Prof. Dr. Ong Ghim Hock, INTI International University, Malaysia
- Assoc. Prof. Dr. Parthiban Brindha Devi, Vels Institute of Science, Technology and Advanced Studies, India
- Assoc. Prof. Dr. V. Saravanan, Annamalai University, India
- Asst. Prof. Dr. G. Abirami, Vels Institute of Science, Technology and Advanced Studies, India
- Asst. Prof. Dr. Anto Cordelia Tanislaus Antony Dhanapal, Universiti Tunku Abdul Rahman, Malaysia

- Asst. Prof. Dr. Ashok Kumar Janakiraman, UCSI University, Malaysia
- Asst. Prof. Dr. Binu George, Sri Lakshmi Narayana Institute of Medical sciences, India
- Asst. Prof. Dr. Geeta Mehra, MCM DAV College for Women, Chandigarh, India
- Asst. Prof. Dr. Job Gopinath, Voorhees College, India
- Asst. Prof. Dr. Ts. Mohamed Saleem, Riyadh ELM University, Saudi Arabia
- Asst. Prof. Dr. R.T. Narendhirakannan, Kongunadu Arts and Science College (Autonomous), India
- Asst. Prof. Dr. Pariyaporn Itsaranuwat, Mahasarakham University, Thailand
- Asst. Prof. Dr. G. Praveena, PSGR Krishnammal College for Women (Autonomous), India
- Asst. Prof. Dr. Priyanut Wutti Chupradit, Chiang Mai University, Thailand
- Asst. Prof. Dr. V. Rekha, D.K.M College for women (Autonomous), India
- Asst. Prof. Dr. Sangeetha Arullappan, Universiti Tunku Abdul Rahman, Malaysia
- Asst. Prof. Dr. K. Sunitha Kumari, PSGR Krishnammal College for Women (Autonomous), India
- Asst. Prof. Dr. Supat Chupradit, Chiang Mai University, Thailand
- Asst. Prof. Dr. Tey Lai Hock, Universiti Tunku Abdul Rahman, Malaysia
- Asst. Prof. Dr. M. Vijay, Sri Lakshmi Narayana Institute of Medical Sciences, India
- Dr. Ajeet Kumar, Korea Advanced Institute of Science and Technology, South Korea
- Dr. Chang Sook Keng, INTI International University, Malaysia
- Dr. Deivendran Kalirathinam, Hull university Teaching Hospital NHS Trust, United Kingdom
- Dr. Devaraj Bharathi, Yeungnam University, Gyeongsan, South Korea
- Dr. Naresh Bhaskar Raj, Universiti Sultan Zainal Abidin, Malaysia
- Dr. Kavindra Kumar Kesari, Senior Scientist, Aalto University, Finland
- Ts. Dr. Muhamad Fareez Bin Ismail, Universiti Teknologi MARA, Malaysia
- Mr. Karthikkumar Dhanabalan, Research Associate, Viyen Biotech LLP, India
- Mr. Kshtrashal Singh, AIMST University, Malaysia
- Ms. Lalita Ambigai Sivasamugham, INTI International University, Malaysia
- Mr. Senthil Vadivel, King Saud bin Abdulaziz University for Health Sciences

"We do not inherit the earth from our ancestors; we borrow it from our children…"

EVENT SCHEDULE

TIME IST- INDIAN STANDARD TIME MYT- MALAYSIAN STANDARD TIME	15 DECEMBER 2023, FRIDAY (MC: Assoc. Prof. Dr. Ng Shee Ping, Nilai University, Malaysia)	LINK FOR SESSIONS
08.15 – 08.30 AM (IST) **10.45 - 11:00 AM (MYT)**	Channel open to the participants	**For all Participants/Authors/Attendees** ***GENERAL CHANNEL (ZOOM)***
08.30 – 08.40 AM (IST) **11:00 – 11:10 AM (MYT)**	Welcome Address: Prof. Dr. Wong Ling Shing, Advisor of GCSGD2023- HLS	
08.40 – 09.00 AM (IST) **11.10 – 11.30 AM (MYT)**	Keynote 1: Prof. Dr. Lee Shiou Yih, INTI International University, Malaysia	
09.00 – 09.20 AM (IST) **11:30 – 11:50 AM (MYT)**	Keynote 2: Prof. Kathireshan A K., Vels Institute of Science, Technology and Advanced Studies (VISTAS), India	
09.20 – 09.40 AM (IST) **11:50 AM - 12:10 PM (MYT)**	Keynote 3: Prof. Dr. Vinodhkumar Ramalingam, Saveetha College of Physiotherapy, Saveetha University, India	
09.40 – 10.00 AM (IST) **12:10 - 12:30 PM (MYT)**	Keynote 4: Dr. Ajeet Kumar, Korea Advanced Institute of Science and Technology, South Korea.	
10.00 – 10.10 AM (IST) **12:30 - 12:40 PM (MYT)**	Remarks from Organizing Committee: Dr. Sinouvassane Djearamane, Organizing Chair of GCSGD2023- HLS	
10.10 – 10.15 AM (IST) **12:40 - 12:45 PM (MYT)**	Photo Session	
BREAK (10:15 - 11:30 AM, IST/ 12.45 -02.00 PM, MYT)		
11:30 AM - 01:30 PM (IST) **02:00 – 04.00 PM (MYT)**	Scientific Presentations Parallel Sessions (1 to 4)	***Breakout Rooms (ZOOM)***
End of the Event		

Keynote Speaker 1

Prof. Dr. Lee Shiou Yih

Faculty of Health & Life Sciences,
INTI International University, Malaysia

Title: *Unravelling Plastid Genome Evolution and Mycoheterotrophy in Cyrtosia lindleyana through Next-Generation Sequencing*

Abstract:

Using next-generation sequencing, we characterized and analyzed the plastid genome (plastome) and transcriptome of the achlorophyllous mycoheterotrophic orchid *Cyrtosia lindleyana*. Despite plastome being severely reduced in size, key photosynthesis-related pathways remained intact, yet some plastid coding sequences seemed non-functional, shedding light on Vanilloideae genome evolution and mycoheterotrophy in Orchidaceae.

.

Keynote Speaker 2

Professor. Dr. Kathireshan A K

Director, School of Life Science,
VELS Institute of Science, Technology and Advanced Studies (VISTAS), India

***Title**: Impact of Global Warming on Microbial Diseases: An Interconnected Crisis*

Abstract:
Global warming, resulting from human activities, profoundly impacts Earth's climate systems, influencing ecological dynamics and fostering the proliferation of microbial diseases. This abstract explores the intricate relationship between global warming and microbial diseases, examining the effects of environmental changes on host-pathogen interactions and the emergence of new infectious threats. Elevated temperatures and shifting precipitation patterns directly influence the distribution and survival of microbial pathogens, expanding their habitats and introducing them to new regions. Changes in humidity and temperature also impact disease vectors like mosquitoes and ticks, altering their life cycles and geographic ranges, thereby affecting the transmission dynamics of diseases such as malaria, dengue fever, and Lyme disease. The disruptions induced by global warming in ecosystems contribute to fluctuations in the abundance and distribution of reservoir hosts and vectors, complicating disease dynamics. Altered behaviors of pathogens and hosts can elevate transmission rates and lead to the emergence of drug-resistant strains, posing substantial challenges to public health. The abstract also explores potential mitigation and adaptation strategies, underscoring the necessity for interdisciplinary collaboration among climate scientists, ecologists, microbiologists, and public health experts. A comprehensive understanding of the connections between global warming and microbial diseases is essential for developing effective strategies to mitigate health risks associated with the climate change. In the face of escalating microbial threats, proactive measures are crucial for safeguarding global health and establishing resilient communities amidst the consequences of global warming.

Keynote Speaker 3

Prof. Dr. Vinodhkumar Ramalingam

Saveetha College of Physiotherapy,
Saveetha Institute of Medical and Technical Sciences,
Saveetha University, India

Title: *Physiotherapy - Sustainable Alternative Healthcare*

Abstract:
Physiotherapy, as a green and sustainable alternative in healthcare, embodies a paradigm shift towards eco-conscious healing practices. Departing from the resource-intensive nature of conventional medicine, physiotherapy adopts a holistic approach that emphasizes natural, non-invasive methods. The discipline leverages therapeutic exercises, manual techniques, and lifestyle adjustments to promote recovery without the environmental impact associated with pharmaceutical interventions. Moreover, physiotherapists educate patients on self-management techniques, empowering them to take control of their health and reduce their reliance on medical resources.

In a world grappling with environmental challenges, physiotherapy emerges not just as an alternative healthcare solution but as a beacon of sustainability. By prioritizing preventive measures, minimizing reliance on pharmaceuticals, and empowering individuals to actively participate in their well-being, physiotherapy pioneers a green path for the future of healthcare one that is effective, patient-centric, and environmentally responsible.

Keynote Speaker 4

Dr. Ajeet Kumar

BK21(Brain Korea 21) Senior Postdoctoral Fellow
Department of Biological Sciences,
Korea Advanced Institute of Science and Technology (KAIST), South Korea

Title: *Deciphering the function of m6A epitranscriptomes during mouse corticogenesis*

Abstract:

Proper development of the nervous system is critical for its function and deficits in neural development have been implicated in many brain disorders, such as microcephaly, autistic spectrum disorders, and schizophrenia. In the embryonic mouse cortex, radial glia cells (RGCs) function as neural stem cells, sequentially giving rise to neurons residing in different cortical layers and switching to glial production before their depletion during early postnatal stages. Such a precise and predictable developmental schedule requires a highly coordinated genetic program.

Various studies have revealed transcriptional cascades that orchestrate the dynamics of mammalian cortical neurogenesis. There are more than ~180 types of RNA modification where N6-methyladenosine (m6A) is most abundant. m6A installed by the METTL3/ METTL14 methyltransferase complex, is the most prevalent internal mRNA modification that regulates mRNA metabolism, including stability, translation, splicing, and other functions. m6A profiling with cell lines has revealed m6A sites in over 25% of human transcripts, with enrichment in long exons, and near transcription start sites and stop codons. Few studies establish the role of m6A signaling during mammalian embryonic brain development in vivo. Here, we used the Mettl14 conditional knockout (cKO) mouse as a model to examine m6A function in postnatal cortical neurogenesis in vivo. Our results reveal critical epitranscriptomic control of mammalian cortical neurogenesis and provide insight into mechanisms underlying this highly coordinated developmental program.

Technical Sessions

Channel 1	Parallel Session 1
Session Chair I Session Chair II	Dr. Kavindra Kumar Kesari, Senior Scientist, Aalto University, Finland Asst. Prof. Dr. Ts. Mohamed Saleem, Riyadh ELM University, Saudi Arabia
Date	15-December-2023 (Friday)
Time	11:30 AM - 01:30 PM (IST), 02.00 PM to 04.00 PM (MYT)

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

Time	Abstract ID	Title 0f Paper with Presenter Details
11:30 - 11:45 AM (IST) 02.00 - 02.15 PM (MYT)	**GCSGD23001**	EFFECTIVENESS OF MCKENZIE TECHNIQUES AND NECK MOBILITY EXERCISES IN CERVICAL SPONDYLITIS *Kotteeswaran. J, Vinodhkumar Ramalingam, Buvanesh Annadurai, Preethi Gokulan*
11:45 AM- 12:00 PM (IST) 02.15 - 02.30 PM (MYT)	**GCSGD23002**	EFFECTIVENESS OF ULTRASOUND AND STRETCHING EXERCISES FOR CARPAL TUNNEL SYNDROME AMONG PREGNANT WOMEN *Papijenni Vaishnavi, VinodhKumar Ramalingam*
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	**GCSGD23003**	EFFECTS OF ULTRASOUND THERAPY VERSUS TRANSCUTANEOUS ELECTRICAL NERVE STIMULATION (TENS) ALONG WITH MYOFASCIAL RELEASE AMONG THE PHOTOGRAPHER WITH UNILATERAL TRAPEZITIS *Arasu Kumar Balaji Kumar, Vignesh Srinivasan*
12:15 - 12:30 PM (IST) 02.45 - 03.00 PM (MYT)	**GCSGD23004**	PRE AND POST PHYSIOTHERAPY MANAGEMENT IN A 5 YEAR OLD SPASTIC DIPLEGIC CEREBRAL PALSY GIRL UNDERGOING SELECTIVE DORSAL RHIZOTOMY *Chitrada Rekha, Kamalakannan, Jagatheesan Alagesan*
12:30 - 12:45 PM (IST) 03.00 - 03.15 PM (MYT)	**GCSGD23005**	GAUGING COVID-19 VACCINE HESITATION AMONG GUJARAT'S HIGHER EDUCATION STUDENTS AND ITS CORRELATION WITH PERSONAL CONDITIONS *Mehul P. Dave, Divya Sharma*
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	**GCSGD23006**	BIOMECHANICAL ASSOCIATION AND INFLUENCE OF FOOT PRONATION ON SUBJECTS WITH ANTERIOR KNEE PAIN - A CASE-CONTROLLED STUDY *Albert Anand, Vinodhkumar Ramalingam*
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	**GCSGD23007**	EVALUATION OF PHYSIOCHEMICAL AND BIOREMEDIATION APPROACHES ON BUCKINGHAM CANAL, NEELANGARAI, CHENNAI. *Sugitha. S, Abirami. G*
01:15 - 01:30 PM (IST) 03.45 - 04.00 PM (MYT)	**GCSGD23008**	OPTIMIZATION OF ANTI MICROBIAL AGENTS TO PRODUCE BREAD USING WHEAT AND CASSAVA BLEND FLAVOURED WITH SPICES *V. Saravanan, N. Ramy*

End of this session

Technical Sessions

Channel 2	Parallel Session 2
Session Chair I Session Chair II	Assoc. Prof. Dr. Cheng Wan Hee, INTI International University, Malaysia Dr. Ajeet Kumar, Korea Advanced Institute of Science and Technology, South Korea
Date	15-December-2023 (Friday)
Time	11:30 AM - 01:30 PM (IST), 02.00 PM to 04.00 PM (MYT)

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

Time	Abstract ID	Title of Paper with Presenter Details
11:30 - 11:45 AM (IST) 02.00 - 02.15 PM (MYT)	**GCSGD23009**	EVALUATION OF EPIGALLOCATECHIN -3-GALLATE TO OVERCOME THE OSIMERTINIB RESISTANCE IN NON-SMALL CELL LUNG CANCER CELLS BY TARGETING YES-ASSOCIATED PROTEIN *Ashwini Somayaji, C S Shastry, M Mohamed Shabi, Subhayan Sahu*
11:45 AM- 12:00 PM (IST) 02.15 - 02.30 PM (MYT)	**GCSGD23010**	SPICES AS SUSTAINABLE FOOD PRESERVATIVES: A COMPREHENSIVE REVIEW OF THEIR ANTIMICROBIAL POTENTIAL *Emad Abdallah*
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	**GCSGD23011**	REMEDIATION OF AGRO WASTES USING MUSHROOM CULTIVATION AND APPLYING SPENT MUSHROOM SUBSTRATE TOWARDS ENVIRONMENTAL SUSTAINABILITY *Sudharshana. M.K, Divya. N, Harsini. C.S, Suganila. D, Sunitha kumari. K*
12:15 - 12:30 PM (IST) 02.45 - 03.00 PM (MYT)	**GCSGD23012**	STREPTOZOTOCIN INDUCED DIABETIC WOUND HEALING MODEL *Kesha M Desai,Shreeraksha HS, Sharon Carolin Furtado, Mohamed Shabi, Anbu Jayaraman, Ashok Kumar Janakiraman*
12:30 - 12:45 PM (IST) 03.00 - 03.15 PM (MYT)	**GCSGD23013**	ENHANCING LEACHATE TREATMENT: UNVEILING THE SYNERGISTIC POWER OF FILTRATION AND PHOTOCATALYSIS IN AN INTEGRATED SYSTEM *Yan Peng Liang, Mohammod Aminuzzaman and Lai-Hock Tey*
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	**GCSGD23014**	STATISTICAL OPTIMIZATION OF NANOEMULSION FORMULATION USING DOCOSAHEXAENOIC ACID THROUGH PSEUDO PHASE DIAGRAM AND DESIGN OF EXPERIMENT *Saiqa Afroze, Ashok Kumar Janakiraman, S. Ramkanth, Sinouvassane Djearamane, Baskaran Gunasekaran, Ling Shing Wong*
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	**GCSGD23015**	GREEN SYNTHESIS OF Cr_2O_3-MCC MICROCOMPOSITE FOR ENHANCED PHOTODEGRADATION OF CONGO RED DYE: A SUSTAINABLE APPROACH TO WASTEWATER TREATMENT *Sharon Chia Yen LIM, Ming Xiu KOH, Yu Bin CHAN, Mohammod Aminuzzaman and Lai-Hock TEY**
01:15 - 01:30 PM (IST) 03.45 - 04.00 PM (MYT)	**GCSGD23016**	GREEN SYNTHESIS OF CHROMIUM OXIDE NANOPARTICLES FROM DURIAN HUSK AQUEOUS EXTRACT: A SUSTAINABLE APPROACH FOR OBESITY TREATMENT THROUGH LIPASE INHIBITION *Ming Xiu KOH,Sharon Chia Yen LIM, Shi-Yan CHEAH, Yu Bin CHAN, Mohammod Aminuzzaman and Lai-Hock TEY*

End of this session

Technical Sessions

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

Channel 3	Parallel Session 3
Session Chair I Session Chair II	Prof. Dr. Jagatheesan Alagesan, Saveetha University, India. Assoc. Prof. Dr. Ong Ghim Hock, INTI International University, Malaysia
Date	15-December-2023 (Friday)
Time	11:30 AM - 01:30 PM (IST), 02.00 PM to 04.00 PM (MYT)

Time	Abstract ID	Title of Paper with Presenter Details
11:30 - 11:45 AM (IST) 02.00 - 02.15 PM (MYT)	**GCSGD23017**	PERFORMANCE APPRAISAL OF IT EMPLOYEES IN CHENNAI CITY USING BLOCKCHAIN TECHNOLOGY *Shruthi. K, M. Kavitha*
11:45 AM- 12:00 PM (IST) 02.15 - 02.30 PM (MYT)	**GCSGD23018**	THE *IN-VITRO* ANTIBACTERIAL ACTIVITIES OF *Boerhhavia diffusa* EXTRACTS ON MDR *E. coli* UROPATHOGENS *Shalagha Sharma, Jayanand, R.S.Saxena*
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	**GCSGD23019**	LITFULO- RITLECITINIB: A REVIEW *M Mohamed Shabi, Sneha H.C, Surabhi N, Supritha C, Sneha S, Ashok Kumar Janakiraman*
12:15 - 12:30 PM (IST) 02.45 - 03.00 PM (MYT)	**GCSGD23020**	GLOBAL GOAL 3 ON GOOD HEALTH AND WELL-BEING: A CASE STUDY OF REHABILITATION HOSPITAL IN EAST LIBYA *Mahmoud M. Dboba, W. Astiata , Satya Bindra*
12:30 - 12:45 PM (IST) 03.00 - 03.15 PM (MYT)	**GCSGD23021**	STRUCTURAL AND PHOTO DEGRADATION ANALYSIS OF POLYSTYRENE/PEROVSKITENANOCOMPOSITES *M. Manoranjitha, N. Priyadharsini*
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	**GCSGD23022**	PHOTODEGRADATION OF POLYSTYRENE/ZnO NANO COMPOSITE FILMS UNDER UV IRRADIATION *R. Revathi, N. Priyadharsini*
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	**GCSGD23023**	WOUND DRESSINGS FOR DIABETIC FOOT ULCER: A REVIEW *K. Netha, Rekha V, T. Gomathi and Vinothini C*
01:15 - 01:30 PM (IST) 03.45 - 04.00 PM (MYT)	**GCSGD23024**	ECOFRIENDLY, GREEN-SYNTHESIZED METAL NANOPARTICLES-COATED NANOFABRICS: A NEW FRONTIER IN ANTIMICROBIAL POTENTIAL AND WOUND HEALING APPLICATIONS *Maghimaa Mathanmohun, Wong Ling Shing, S. Suresh and Prakash B*

End of this session

Technical Sessions

Channel 4	Parallel Session 4
Session Chair I Session Chair II	Asst. Prof. Dr. Piyush Kumar Gupta, Sharda University, India. Asst. Prof. Dr. Tey Lai-Hock, Universiti Tunku Abdul Rahman, Malaysia
Date	15-December-2023 (Friday)
Time	11:30 AM - 01:30 PM (IST), 02.00 PM to 04.00 PM (MYT)

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

Time	Abstract ID	Title of Paper with Presenter Details
11:30 - 11:45 AM (IST) 02.00 - 02.15 PM (MYT)	GCSGD23025	RECENT APPROACH OF DATA ANALYTICS IN PHARMACEUTICAL INDUSTRY *Aishwarya Sunil Pandit, Sharmila Deepak Kuskar, Samiksha Manohar Bhamre, Santosh Kailash Jadhav*
11:45 AM- 12:00 PM (IST) 02.15 - 02.30 PM (MYT)	GCSGD23026	AN INVESTIGATION ON THE HEALTH STATUS OF RURAL WOMEN AND THE ACCESSIBILITY OF HEALTH CARE SERVICES IN TAMIL NADU *R. Rajesh Kanna, V. Sujatha*
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	GCSGD23027	*DEVELOPMENT AND EVALUATION OF PINEAPPLE JUICE BLENDED WITH CARROT AND POMEGRANATE JUICE FORTIFIED WITH PROTEIN BY RESPONSE SURFACE METHODOLOGY (RSM)* *Velpula Rajeswari, Rajeshkannan Rajan, Dilipkumar Mahadevan*
12:15 - 12:30 PM (IST) 02.45 - 03.00 PM (MYT)	GCSGD23028	*ADVANCEMENT, ROLESAND CHALLENGES OF E- BANKING SERVICESIN RURAL AREAS* *J. K. Bharath, R.Menaka*
12:30 - 12:45 PM (IST) 03.00 - 03.15 PM (MYT)	GCSGD23029	EFFECT OF DIFFERENT FORMULATED *Withania somnifera* DIET ON BLOOD PARAMETERS OF *Cyprinus carpio* EXPOSED TO *Aeromonas hydrophila* *M. Sithi Jameela, M. Narayanan*
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	GCSGD23030	ANALYSIS ON THE FUNCTIONAL COMPONENT IN *Terminalia catappa* AND ITS UTILIZATION IN THE FUNCTIONAL FOOD FORMULATION *U. Divyashree, Poornima Jeyasekaran*
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	GCSGD23031	RESEARCH ON FUNCTIONAL COMPONENTS IN EDIBLE FLOWERS USING FTIR SPECTROSCOPY *Haritha. B, Sharmi R. A, Poornima Jeyasekaran*
01:15 - 01:30 PM (IST) 03.45 - 04.00 PM (MYT)	GCSGD23032	ADVANCING SUSTAINABLE HEALTH: INTEGRATING INNOVATIONS, EQUITY, AND ENVIRONMENTAL CONSCIOUSNESS IN HEALTH AND LIFE SCIENCES FOR 2023 AND BEYOND *Naga Swetha Pasupuleti, Ankita Bajpai, Shalini Srivastava*

End of this session

Notes