



Extend to Expand



INTI
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Virtual GLOBAL CONGRESS ON SUSTAINABLE GROWTH & DEVELOPMENT 2022-HEALTH AND LIFE SCIENCES (GCSGD2022-HLS)

DATE: 25 - 26 NOVEMBER 2022



**UNIVERSITI
GEOMATIKA
MALAYSIA**



PSGR
Krishnammal College for Women



Conference Webpage: <https://einstein.co.in/gcsgd-2022/>



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GCSGD 2022-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 2022-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 2022 – Health and Life Sciences (GCSGD 2022 HLS). Sustainability growth and development are important. Human population is growing to 8 billion, the carbon emission is at record high, the waste materials are piling up at alarming rate, and the clean resources are depleting fast, it is really a right time for all of us to meet and discuss on the matters related to sustainability of our planet. It is my great pleasure to see more many researchers like us working day and night to generate knowledge for the advancement in health and life sciences.

We had a very successful Global Congress in 2020 and 2021, with more than 200 participants joined these events. For this year 2022, we decided to continue to organize our 3rd Global Congress via online platform, with the focus on two interesting fields – Health and Life Sciences.

We are glad to announce that INTI Journal and Journal of Advances in Biological and Health Sciences will continue to support us by accepting and publishing good quality papers generate from our congress. Selected papers will be submitted to Scopus indexed journals for the consideration of publication. To all authors, let us work together with the technical and review committee members to produce high quality papers that meets the requirement of the journals. That will be helpful to ensure smooth publication process later, after our Global Congress.

I wish to take this opportunity to express my gratitude to Einstein Research Academy, Saveetha University, Viyen Biotech LLP, India, INTI International University, Malaysia, Universiti Geomatika Malaysia, Malaysia, and PSGR Krishnammal College for Women, India for organizing GCSGD 2022 HLS. To all my committee members, thank you for your hard work, and congratulation for the job well done! I hope with the success that we have achieved; we will continue to organize GCSGD again in 2023.



Message from Convenor



Professor Dr. Senthilkumar Balasubramanian

Director of Research Development, World Community Service Centre, India & Vice President, Einstein Research Academy
(Former Professor of Zoology, Thiruvalluvar University, India)

On behalf of the organizing committee of the Global Congress on Sustainable Growth and Development 2022-Health and Life Sciences (GCSGD2022-HLS), I take immense pleasure in welcoming all delegates to this Global Congress.

The recent advancement and proliferation of innovative and sophisticated technologies in all disciplines have opened up multitude of opportunities to solve the challenges on sustaining lives on people and planet. This Congress has brought together the knowledge and expertise of great minds from across the globe to share and promote their ideas.

Our sincere thanks to the organizers, eminent speakers, reviewers, academicians, research scholars and graduate students for their presence and enthusiastic participation in coming together to interact with the pioneers.

I express my heartfelt gratitude to the organizing committee members for their dedication and hard work without whose meticulous effort and support this GCSGD 2022-HLS would not have been organized in a befitting manner.

I wish that GCSGD2022-HLS will be of great success.

VAZHGA VALAMUDAN



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 2022-Health and Life Sciences (GCSGD2022-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 2022 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 2023.



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 2022-Health and Life Sciences (GCSGD2022-HLS)”. This global congress is organized by Einstein Research Academy, and supported by INTI International University & Geomatika University from Malaysia, and Saveetha College of Physiotherapy, Saveetha University, PSGR Krishnammal College for Women & 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.





Professor Dr. Vinodhkumar Ramalingam

Saveetha University, India & Secretary, Einstein
Research Academy

Dear attendees of GCSGD2022-HLS,

It is my great pleasure to welcome all the attendees to the “Global Congress on Sustainable Growth and Development 2022-Health and Life Sciences (GCSGD2022-HLS)”, which will be held virtually for the 2 days on November 25 and 26th, 2022. GCSGD2022-HLS successfully organised for the 3rd year by Einstein Research Academy (ERA) having 63 accepted papers for presentation.

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 “. GCSGD2022-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 2022-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.

My best wishes are with GCSGD2022-HLS for a successful outcome.



Organizing Committee

Advisor

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

Convener

Prof. Dr. Senthilkumar Balasubramanian, Einstein Research Academy, India.

Organizing Chairs

Er. Kannan Ponkoodalingam, Vice President, Einstein Research Academy, India.

Asst. Prof. Dr. Sinouvassane Djearmane, Universiti Tunku Abdul Rahman (UTAR), Malaysia

Prof. Dr. Vinodhkumar Ramalingam, Saveetha University, India

Organizing Secretaries

Prof. Dr. K. Saminathan, University Geomatika Malaysia

Dr. Ranjithkumar Rajamani, Viyen Biotech LLP, India

Asst. Prof. Dr. G. Praveena, PSGR Krishnammal College for Women (Autonomous) (Bharathiar University), India

Scientific Committee

- Prof. Dr. Prathap Suganthirababu, Saveetha University, India
- Prof. Dr. Kumaresan A, Saveetha University, India
- Prof. Dr. A. Usha Raja Nanthini, Mother Teresa Women's University, India
- Prof. Dr. N. Duraimutharasan, AMET University, India
- Prof. P. Lalitha, Avinashilingam Institute for Home Science and Higher Education for Women (Deemed University), India
- Prof. Dr. Manoj Abraham. M, KG College of Physiotherapy (The Tamilnadu Dr MGR Medical University), India
- Prof. Dr. N. Arumugam, King Saud University, Saudi Arabia
- Assoc. Prof. Dr. Lavanya Prathap, Saveetha University, India



- Assoc. Prof. Dr. Cheng Wan Hee, INTI International University, Malaysia
- Assoc. Prof. Dr. Ong Ghim Hock, INTI International University, Malaysia
- Assoc. Prof. Dr. Vasantha Kumari Neela, Universiti Putra Malaysia
- Assoc. Prof. Dr. Mohd Izham Haji Mohd Zain, KPJ Healthcare University College, Malaysia
- Assoc. Prof. Dr. Alice Escalante De Cruz, Nilai International University, Malaysia
- Assoc. Prof. Dr. Vetriselvan Subramaniam, MAHSA University, Malaysia
- Assoc. Prof. Dr. Hema Ramachandran, Quest International University, Malaysia
- Assoc. Prof. Dr. K. Govindaraju Kasivelu, Sathyabama Deemed University, India
- Assoc. Prof. Dr. B. Prakash Balu, VEL's Deemed University, India
- Assoc. Prof. Dr. Kamaraj Murugesan, SRM Institute of Science and Technology, India
- Assoc. Prof. Dr. Gopenath TS, JSS Academy of Higher Education and Research (Deemed University), India
- Assoc. Prof. Dr. Gunel Imanova, Azerbaijan National Academy of Sciences, Azerbaijan
- Asst. Prof. Dr. Sangeetha Arullappan, Universiti Tunku Abdul Rahman, Malaysia
- Asst. Prof. Dr. Ashok Kumar Janakiraman, UCSI University, Malaysia
- Asst. Prof. Dr. Ts. Mohamed Saleem, Riyadh ELM University, Saudi Arabia
- Asst. Prof. Dr. Priyanut Wutti Chupradit, Chiang Mai University, Thailand
- Asst. Prof. Dr. Pariyaporn Itsaranuwat, Mahasarakham University, Thailand
- Asst. Prof. Dr. R.T. Narendhirakannan, Kongunadu Arts and Science College (Autonomous) (Bharathiar University), India
- Asst. Prof. Dr. Geeta Mehra, MCM DAV College for Women (Panjab University), India
- Asst. Prof. Dr. Job Gopinath, Voorhees College, India
- Asst. Prof. Dr. V.Rekha, D.K.M College for women (Autonomous), India
- Dr. Chang Sook Keng, INTI International University, Malaysia
- Dr. Kumar Krishnan, INTI International University, Malaysia
- Dr. Naresh Bhaskar Raj, Universiti Sultan Zainal Abidin, Malaysia



- Dr. Deivendran Kalirathinam, Hull University Teaching Hospital NHS Trust, United Kingdom
- Dr. Ajeet Kumar, Korea Advanced Institute of Science and Technology, South Korea
- Dr. Devaraj Bharathi, Yeungnam University, Gyeongsan, South Korea
- Dr. Vo Huu Cong, Vietnam National University of Agriculture, Vietnam
- Dr. Siddharthan Selvaraj, AIMST University, Malaysia
- Dr. Ashwini Gengatharan, University Geomatika Malaysia
- Mr. Senthil Vadivel, King Saud bin Abdulaziz University for Health Sciences, Kingdom of Saudi Arabia
- Mr. Rajkumar Krishnan Vasanthi, INTI International University, Malaysia
- Mr. Karthikkumar Dhanabalan, Viyen Biotech LLP, India



EVENT SCHEDULE

TIME IST- INDIAN STANDARD TIME MYT- MALAYSIAN STANDARD TIME	DAY 1 -25 NOVEMBER 2022, FRIDAY (MC: Asst. Prof. Dr. Sangeetha Arullappan, Universiti Tunku Abdul Rahman, 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 GCSGD2022- HLS	
08.40 – 09.00 AM (IST) 11.10 – 11.30 AM (MYT)	Keynote 1: Dr. Nur Vaizura Mohamad, Universiti Geomatika Malaysia	
09.00 – 09.20 AM (IST) 11:30 – 11:50 AM (MYT)	Keynote 2: Assoc. Prof. Dr. Geetha Subramaniam, INTI International University, Malaysia	
09.20 – 09.40 AM (IST) 11:50 AM - 12:10 PM (MYT)	Keynote 3: Dr. Abayomi Salawu, Hull University Teaching Hospital (HUTH) NHS Trust, United Kingdom	
09.40 – 09.50 AM (IST) 12:10 - 12:20 PM (MYT)	Photo Session	
BREAK (09:50 AM - 12:00 PM, IST/ 12.20 -02.30 PM, MYT)		
12:00 - 03:00 PM (IST) Break: 01:15 - 01:45 PM (IST) 02:30 – 05.30 PM (MYT) Break: 03:45 - 04:15 PM (MYT)	Parallel Session 1	<i>CHANNEL 1 (ZOOM)</i>
	Parallel Session 2	<i>CHANNEL 2 (ZOOM)</i>
	Parallel Session 3	<i>CHANNEL 3 (ZOOM)</i>
End of DAY 1		



TIME IST- INDIAN STANDARD TIME MYT- MALAYSIAN STANDARD TIME	DAY 2 - 26 NOVEMBER 2022, SATURDAY (MC: 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. Senthilkumar Balasubramanian, Convener of GCSGD2022- HLS	
08.40 – 09.00 AM (IST) 11.10 – 11.30 AM (MYT)	Keynote 4: Asst. Prof. Dr. Piyush Kumar Gupta, Sharda University, India	
09.00 – 09.20 AM (IST) 11:30 – 11:50 AM (MYT)	Keynote 5: Prof. Dr. Jagatheesan Alagesan, Saveetha College of Physiotherapy, Saveetha Institute of Medical and Technical Sciences, India.	
09.20 – 09.40 AM (IST) 11:50 - 12:10 PM (MYT)	Keynote 6: Dr. Kavindra Kesari, Aalto University, Finland	
09.40 – 10.00 AM (IST) 12:10 - 12:30 PM (MYT)	Keynote 7: Asst. Prof. Dr. Supat Chupradit, Chiang Mai University, Thailand	
10.00 – 10.10 AM (IST) 12:30 - 12:40 PM (MYT)	Photo Session	
BREAK (10:10 - 11:00 AM, IST/ 12.40 -01.30 PM, MYT)		
11:00 - 02:00 PM (IST) Break: 12:15 - 12:45 PM (IST) 01:30 – 04.30 PM (MYT) Break: 02:45 - 03:15 PM (MYT)	Parallel Session 4	CHANNEL 4 (ZOOM)
	Parallel Session 5	CHANNEL 5 (ZOOM)
	Parallel Session 6	CHANNEL 6 (ZOOM)
	Parallel Session 7	CHANNEL 7 (ZOOM)
BREAK (02:00 - 02:30 PM, IST/ 04:30 -05:00 PM, MYT) FOR BEST PRESENTATION SELECTION		
02:30 - 02:50 PM (IST) 05.00 – 05.20 PM (MYT)	Announcement of Best Presentation Award: Er. Kannan Ponkoodalingam, Vice President, Einstein Research Academy	GENERAL CHANNEL (ZOOM)
02:50 - 03:00 PM (IST) 05.20 – 05.30 PM (MYT)	Closing Remarks: Dr. Sinouvassane Djearmane, Organizing Chair of GCSGD2022- HLS	GENERAL CHANNEL ZOOM)
End of the Event		



Keynote Speaker 1



Dr. Nur Vaizura Mohamad

Lecturer in Pharmacology
University Geomatika Malaysia

Title: *NATURAL PRODUCT IN HEALTH: ANNATTO TOCOTRIENOL AND OSTEOPOROSIS*

Abstract:

Sustainable Development 3 aims to achieve universal health coverage, which seeks equitable access to healthcare services for all men and women. We must address the core determinants of health and well-being, including socio-economic. Investing in healthcare must be a priority, and adequate funding must be secured if we want to make a long-term impact. Economic challenges associated with non-communicable diseases and the sociocultural outlook might need alternatives to treat and prevent diseases like osteoporosis. Skeletal degeneration due to aging, also known as osteoporosis, is a major health problem worldwide. Postmenopausal women are susceptible to primary osteoporosis since osteoporosis is closely related to estrogen deficiency. Certain dietary components confer protection to our skeletal system against osteoporosis. Consumption of tocotrienol has been shown to prevent bone loss in animal models of postmenopausal osteoporosis, but the low oral bioavailability might limit its use. A self-emulsifying drug delivery system (SEDDS) could increase the bioavailability of tocotrienol. However, evidence of this system improving the skeletal effects of tocotrienol is scanty. Animal studies showed that supplementation of annatto tocotrienol formulation could improve skeletal health assessed via bone microstructure, biomechanical strength and bone turnover markers in ovariectomized rats. The beneficial effects of annatto tocotrienol could be attributed to their ability to reduce oxidative stress. In conclusion, the self-emulsifying drug delivery system of annatto are potential dietary interventions to prevent osteoporosis among the elderly, especially in postmenopausal osteoporosis.



Keynote Speaker 2



Associate Professor Dr. Geetha Subramaniam

Dean, Faculty of Health and Life Sciences
INTI International University, Malaysia

***Title:** COVID-19 PANDEMIC – ARE WE OUT OF THE WOODS YET?*

Abstract:

The COVID-19 pandemic has devastated the world's economy and healthcare with 640 million cases worldwide resulting in 6,625,844 fatalities (WHO, 2021) (data up to 20th November, 2022). As we have moved into the endemic phase of COVID-19, are we really in the clear? Since the vaccines were rolled out in December 2020, a large percentage of the global population opted to get vaccinated, while in Malaysia, almost 85% of our population has received at least 2 doses of the COVID-19 vaccine. With the campaigns advocating vaccines, there was also a considerable amount of anti-vaccination propaganda on social media leading to a surge in vaccine hesitancy (VH) to a point that World Health Organization identified VH as a major threat to global health. Despite the high vaccination rate, there was still an increase in COVID cases particularly in 2021 including “breakthrough infections” in vaccinated individuals, leading to the anti-vaxers questioning the use and efficacy of the COVID-19 vaccines. One key point is that the vaccines were produced against the original strain of COVID-19, the wild type SARS-CoV-2, and the world has thus far seen several different variants produced with rapidity including the delta, omicron and more recently the XBB variant. Another key point to note is that the vaccine still confers protection in those who have been vaccinated against SARS-CoV-2, and even if these individuals still contract COVID-19 disease, the infection has been reported to be less severe resulting in reduced hospitalizations and intensive care unit admissions.



Keynote Speaker 3



Dr. Abayomi Salawu

Consultant in Rehabilitation Medicine, Hull University
Teaching Hospital NHS Trust
Lead clinician and Director, Humber, Coast and Vale
Specialist Rehabilitation ODN
Honorary Reader, Hull York Medical School
Castle Hill Hospital, United Kingdom

Title: PROMOTING SUSTAINABLE GROWTH AND DEVELOPMENT IN HEALTH CARE: IS THERE A ROLE FOR REHABILITATION?

Abstract:

Sustainable development is a laudable goal that should be encouraged. However, in a world of competing priorities, it is important to aim for developments that will give the best impact both in terms of benefits and also in the conservation of resources. Healthcare delivery is resource intensive and it is not surprising that many countries are unable to achieve the minimum standards of health care for their population. Even among the developed countries, increasing life expectancy coupled with an aging population and low birth rate, it is not surprising that health care systems are also under pressure.

Changing the paradigm in healthcare delivery from current focus on acute care to a model which prioritises holistic healthcare; from prevention to the after-care following injury or illness has the potential to help achieve many of the sustainable development goals. This presentation aims to present an argument that rehabilitation offers an easy and affordable means to achieve one of the most important components of sustainability, without which other pillars of the concept is unachievable. Rehabilitation is the best route to achieving human Sustainability.



Keynote Speaker 4



Asst. Prof. Dr. Piyush Kumar Gupta

Department of Life Sciences, Sharda School of Basic Sciences and Research,
Sharda University, India

Title: *IN VIVO TOXICOLOGICAL ANALYSIS OF $MnFe_2O_4@POLY(TBGE-ALT-PA)$ COMPOSITE AS A NOVEL HYBRID NANOMATERIAL FOR POSSIBLE BIOMEDICAL USE*

Abstract:

In recent years, the nanocomposite has given the significant contributions in the biomedical science due to less aggregation behavior and enhanced physicochemical properties. In this study, a $MnFe_2O_4@poly(tBGE-alt-PA)$ composite was synthesized first time and physicochemically characterized. FTIR analysis confirmed the synthesis of hybrid nanocomposite. XRD data showed the crystal nature of hybrid nanocomposite due to $MnFe_2O_4$ nanoparticles (NPs). TGA study presented the thermostable nature of hybrid nanocomposite and DSC analysis exhibited the absence of chemical interactions between the copolymer and $MnFe_2O_4$ NPs in hybrid nanocomposite. Next, the obtained hybrid nanomaterials were tested on both in vitro and in vivo platforms for their toxicological analysis prior to its use in drug delivery and tissue engineering fields. The composite was found to be biocompatible nature with NIH3T3 cells and observed to be hemocompatible with 2% RBC suspension. Moreover, this novel nanocomposite was tested on *Drosophila* as an in vivo model organism due to their small size, well sequenced genome and low cost of testing. The nanocomposite was given orally to *Drosophila melanogaster* at concentrations of 50, 100, and 200 μM . Before and after feeding, the larvae's crawling speed and direction were measured. No abnormal pace and changed crawling pattern were seen indicating the non-appearance of neurological disorder. The gut organ toxicity was further analyzed using DAPI and DCFH-DA dye to look the structural anomalies. No apoptosis and necrosis were observed in the gut of fruit fly. Next, adult flies were examined for phenotypic anomalies after emerging from their pupal phases. No defects in the phenotypes, including the eye, wings, abdomen, and bristles, were found in our study. Based on these observations, the novel $MnFe_2O_4@poly(tBGE-alt-PA)$ composite may be used for various biomedical applications.

Keynote Speaker 5



Prof. Dr. Jagatheesan Alagesan

Professor & Principal,
Saveetha College of Physiotherapy,
Saveetha Institute of Medical and Technical
Sciences, Chennai, India

Title: SUSTAINABLE DEVELOPMENT IN PHYSIOTHERAPY

Abstract:

Sustainability and environmentally friendly are hot topics these days. Everything we do in our day-to-day life is impacting our planet. Environmental systems are part of human life process which is changing due to our actions. Physiotherapists being health care professional contribute a lot to human wellbeing and our habits and practices at work contribute to our individual environmental impact over our lifetime. Physiotherapy being one of the young health care professions started as a low technology dependent profession, now a days turning to be more tech-oriented profession. But comparing with other healthcare peers' physiotherapy provides more eco-friendly approaches to healthcare. Physiotherapists must look into the environmental cost of their practice which includes use of non-renewable resources like disposable products or electricity or any other tech dependent diagnostic procedure and replace them with hands on clinical skills. However, there are ways to reduce the environmental impact further in physiotherapy practice which may easily be achieved by incorporating environmental and sustainability perspective in physiotherapy curriculum. This contribution may reduce overall environmental cost of health care which might make an impact over a period of time. Physiotherapists should continue to embrace a culture of environmental sustainability towards greener and brighter planet by offering an environment conscious health care delivery.



Keynote Speaker 6



Dr. Kavindra Kumar Kesari

Senior Scientist
Department of Bioproducts and Biosystems,
School of Chemical Engineering,
Aalto University, Espoo, Finland

Title: EFFECTS OF RADIOFREQUENCY ELECTROMAGNETIC FIELD ON BRAIN AND REPRODUCTION

Abstract:

For decades, there have been rising cases of male infertility and cancer attributed to an array of environmental health and mutagenic factors. Human health is prone to be affected by exposure to ionizing and non-ionizing radiations. Although, it is globally accepted that non-ionizing radiations are present in the environment and alarming as a major electro-pollutant for health risk. Especially, due to 5G telecommunication systems that have been recently installed in the communities without conducting any scientific studies on the health effects of 5G radiation. Therefore, an increasing level of radiation from the first generation (1G) to the fifth generation (5G) and now expected sixth generation (6G) in near future highly concerns us to raise our voice against such electro-pollutant. Wistar rats were used for exposure to RF-EMF. After 1 -2 hours of exposure, both the control and sham exposed group of rats were sacrificed and several important parameters were performed mainly, including antioxidants enzymes (SOD, GPx, CAT), creatine kinase, DNA strand breaks, ROS, etc. Rats were exposed to cell phone and microwave radiations (900-2450 MHz). Our results provide evidence related to the pathophysiology of the radiofrequency electromagnetic field (RF-EMF) and its effects on male fertility patterns. This investigates that the size of the effect always depends on exposure doses like exposure duration, the position of subjects, power density, and field intensity. Studies reported significant ($P < 0.05$) effects of RF-EMF on the brain, sperm, and testicular parameters such as a decrease in sperm count, changes in sperm morphology, DNA strand break, an increase in apoptosis level, and changes in the levels of melatonin, creatine kinase, reactive oxygen species (ROS), etc. This study also discusses the protective measures in response to RF-EMF radiations. The study concludes that the non-ionizing radiations may induce oxidative stress with an increased level of ROS, which may lead to infertility.

Keynote Speaker 7



Asst. Prof. Dr. Supat Chupradit

Department of Occupational Therapy,
Faculty of Associated Medical Sciences,
Chiang Mai University, Thailand

Title: LIFE SKILLS PROGRAM AS A HEALTH PROMOTION STRATEGY: HOW TO IMPROVE YOUTH WELL-BEING IN RURAL NORTHERN THAILAND

Abstract:

Promotion of life skills for the youth to face the modern world, especially the underprivileged Chiang Mai highland youths that lacked many life opportunities, especially good health, education, and access to wealth in remote areas with limited access to facilities which impeded their life skill development. On-site work by occupational therapists in the community was done with allies from many sectors, with emphasis on needs and participation of stakeholders, using the community and small schools as bases for life skill training through group process and life skill building. As life skill has very wide meaning, it will help a person to appropriately understand, react and manage life situations, manage challenges, perform complex or self-care activities and finally improve living conditions and activity capability of the youth. For this reason, the occupational therapist designed an occupational therapy process which started from 1) problem and life skill assessment, 2) a necessary life skill training program that covers only real necessary, everyday skills such as communications, relationship, stress management and relaxation technique. Another program is a life skillset program that mainly covers social skills, such as social participation skills, Interpersonal skills, Assertiveness training, along with group therapy, and finally 3) assistive therapy by facilitation and guidance, and learn through practice so the youth can build good knowledge, skills and attitude toward self-development of life skills.



Technical Sessions- Day 1

Channel 1 (Zoom)		Parallel Session 1
Session Chair I	Assoc. Prof. Dr. Alice Escalante De Cruz, Nilai University, Malaysia	
Session Chair II	Asst. Prof. Dr. Pariyaporn Itsaranuwat, Mahasarakham University, Thailand	
Date	25-November-2022 (Friday)	
Time	12:00 PM to 03:00 PM (IST), 02.30 PM to 05.30 PM (MYT)	

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

Time	Abstract ID	Title Of Paper with Presenter Details
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	A22001	<i>Recent Technology for Identification and Classification of Skin Cancer using Deep Learning Model</i> Presenter: Mrs. PN Shiammala, AMET University, Chennai, India
12:15 - 12:30 PM (IST) 02.45 - 03.00 PM (MYT)	A22002	<i>A Review- The application of mesenchymal stem cells as a new therapeutic approach for rheumatoid arthritis</i> Presenter: Ms. Sreewardhini Sivapalan, SRM Institute of Science and Technology, Chennai, India
12:30 - 12:45 PM (IST) 03.00 - 03.15 PM (MYT)	A22003	<i>Research on the formulation and sensory evaluation of Lagenaria siceraria leather as a sustainable environment friendly edible food wrapper</i> Presenter: Ms. Jaishrii R.V, The American College, Madurai, India
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	A22004	<i>Study on the formulation and sensory evaluation of Plant based meat alternative as a sustainable healthy food</i> Presenter: Ms. Jessieamali. B, The American College, Madurai, India
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	A22005	<i>Study on the identification of bioactive compounds in a traditional Indian medicine - Mayur piccha bhasma</i> Presenter: Ms. Mahaeswari Sivaraman, The American College, Madurai, India
BREAK: 01:15 - 01:45 PM (IST), 03.45 - 04.15 PM (MYT)		
01:45 - 02:00 PM (IST) 04.15 - 04.30 PM (MYT)	A22006	<i>Tamil Sign Language Recognition Using Convolutional Neural Networks for Divyangjan Children</i> Presenter: Ms. Sangeetha K, AMET University, Chennai, INDIA
02:00 - 02:15 PM (IST) 04.30 - 04.45 PM (MYT)	A22007	<i>A Pilot Study of Mental Health Promotion Program on Social Media Addiction among University Students</i> Presenter: Mr. Panat Chueprasertsak, Chiang Mai University, Thailand
02:15 - 02:30 PM (IST) 04.45 - 05.00 PM (MYT)	A22008	<i>Antibacterial Activity of Moringa Oleifera on MRSA Isolates and Clinically Important Bacteria</i> Presenter: Mr. Arnold Ang Yong Xi, INTI International University, Malaysia
02:30 - 02:45 PM (IST) 05.00 - 05.15 PM (MYT)	A22009	<i>A Novel Preprocessing Technique to Aid the Detection of Infected Areas of CT Images in COVID-19 Patients</i> Presenter: Ms. Kalaivani J, Vels Institute of Science, Technology & Advanced Studies (VISTAS), Chennai, India

End of this session



Technical Sessions –Day 1

Channel 2 (Zoom)		Parallel Session 2
Session Chair I	Assoc. Prof. Dr. Vasantha Kumari Neela, Universiti Putra Malaysia	
Session Chair II	Assoc. Prof. Dr. Gunel Imanova, Azerbaijan National Academy of Sciences, Azerbaijan	
Date	25-November-2022 (Friday)	
Time	12:00 PM to 03:00 PM (IST), 02.30 PM to 05.30 PM (MYT)	

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

Time	Abstract ID	Title of Paper with Presenter Details
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	A22010	<i>The Relationship Between Change and Development in Environmental Engineering Education in Libya</i> Presenter: Mr. Mahmoud Dboba, University of Tripoli, Libya
12:15 - 12:30 PM (IST) 02.45 - 03.00 PM (MYT)	A22011	<i>Effect of Occupational Therapy with Contrast Bath as an Adjunct in the Management of Chronic Regional Pain Syndrome</i> Presenter: Ms. Sre Ridanya M S, JKK Munirajah Medical Research Foundation College of Occupational Therapy, Namakkal, India
12:30 - 12:45 PM (IST) 03.00 - 03.15 PM (MYT)	A22012	<i>The Protocol Study of Developing and Studying of Psychometric Properties of Psychosocial and Occupational Performance Assessment for Adolescents Internet Users in India</i> Presenter: Mr. Senthil Vadivel. Chiang Mai University, Thailand
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	A22013	<i>Social Skills Training for Depressed Mood Intervention in Disadvantaged Early Adolescents: Scope of Review</i> Presenter: Ms. Chanakarn Kumkun, Chiang Mai University, Thailand
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	A22014	<i>Effect Of Herbal Plant Extracts on The Economic Parameters of Silkworm Bombyx Mori L.</i> Presenter: AP. Dr. M. Sithi Jameela, Sadakathullah Appa College, Tirunelveli, India
BREAK: 01:15 - 01:45 PM (IST), 03.45 - 04.15 PM (MYT)		
01:45 - 02:00 PM (IST) 04.15 - 04.30 PM (MYT)	A22038	<i>Effect of Ultrasound Versus Tens in Management of Carpal Tunnel Syndrome</i> Presenter: Ms. Bhavani.G, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
02:00 - 02:15 PM (IST) 04.30 - 04.45 PM (MYT)	A22039	<i>To Compare the Effectiveness of Sustained Slow Stretch and Pressure Application in Spastic Diplegic Cerebral Palsy</i> Presenter: Ms. Fazia banu J, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
02:15 - 02:30 PM (IST) 04.45 - 05.00 PM (MYT)	A22040	<i>Effect of Core Strengthening and Posture Correction Exercises with Stretching on Sciatic Nerve Root Compression</i> Presenter: Ms. Nishitha.k, S, Saveetha college of physiotherapy Saveetha University, Chennai, India
02:30 - 02:45 PM (IST) 05.00 - 05.15 PM (MYT)	A22053	<i>Effectiveness of Combined Physical – Cognitive Training on Balance Among Geriatric Population.</i> Presenter: Ms. Fhebe Moses, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India

End of this session



Technical Sessions- Day 1

Channel 3 (Zoom)		Parallel Session 3
Session Chair I	Prof. Dr. Senthil Purushothaman, Chettinad Academy of Research and Education, India	
Session Chair II	Assoc. Prof. Dr. Hema Ramachandran, Quest International University, Malaysia	
Date	25-November-2022 (Friday)	
Time	12:00 PM to 03:00 PM (IST), 02.30 PM to 05.30 PM (MYT)	

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

Time	Abstract ID	Title of Paper with Presenter Details
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	A22015	<i>Proficiency Smart use of social media to help the Mental Health of University Students: A Pilot Study</i> Presenter: Dr. Priyanut Wutti Chupradit, Chiang Mai University, Thailand
12:15 - 12:30 PM (IST) 02.45 - 03.00 PM (MYT)	A22016	<i>A Review on Green synthesis of silver nanoparticles in plant extract and their pharmacological Applications</i> Presenter: Dr. S. Nathiya, Arignar Anna Government Arts College for Women, Walajapet, India
12:30 - 12:45 PM (IST) 03.00 - 03.15 PM (MYT)	A22017	<i>Anti-microbial and anti-biofilm activities of plant extracts on Pseudomonas aeruginosa</i> Presenter: Ms. Gul Zarmeen Khan, INTI International University, Nilai, Malaysia
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	A22018	<i>The effect of virtual reality on upper limbs function in children with Cerebral Palsy</i> Presenter: Mr. Abdullah Owaid K Alanazi, Medical Rehabilitation Centre – Gurayat General Hospital, Ministry of Health, Saudi Arabia
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	A22026	<i>A Mini Review: Assessment of Heavy Metal Content and Consumption Risks in Paddy in Paddy Fields of West Peninsular Malaysia</i> Presenter: Ms. Chew Jia Yin, INTI International University, Nilai, Malaysia
BREAK: 01:15 - 01:45 PM (IST) 03.45 - 04.15 PM (MYT)		
01:45 - 02:00 PM (IST) 04.15 - 04.30 PM (MYT)	A22044	<i>Effect of Neck and Upper Trunk Exercises in the Management of Mechanical Low Back Pain.</i> Presenter: Ms. Swetha Sudhakar, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
02:00 - 02:15 PM (IST) 04.30 - 04.45 PM (MYT)	A22045	<i>Evaluation of the Effectiveness of The Active Correction Exercises in Forward Head Posture in Young Adults</i> Presenter: Mr. Arvind Nehru, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
02:15 - 02:30 PM (IST) 04.45 - 05.00 PM (MYT)	A22046	<i>Prevalence of Insomnia among Post Covid 19 Elderly Population</i> Presenter: Ms. Annie Jerin Retna Raj, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
02:30 - 02:45 PM (IST) 05.00 - 05.15 PM (MYT)	A22054	<i>Prevalence of Lifestyle Changes in Online Learning Technology Among College Students During Covid 19 Pandemic.</i> Presenter: Ms. Vishnupriya. M, S, Saveetha college of physiotherapy Saveetha University, Chennai, India

End of this session



Technical Sessions- Day 2

Channel 4 (Zoom)		Parallel Session 4
Session Chair I	Assoc. Prof. Dr. Kamaraj Murugesan, SRM Institute of Science and Technology, India	
Session Chair II	Asst. Prof. Dr. Ts. Mohamed Saleem, Riyadh ELM University, Saudi Arabia	
Date	26-November-2022 (Saturday)	
Time	11:00 AM to 02:00 PM (IST), 01.30 PM to 04.30 PM (MYT)	

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

Time	Abstract ID	Title of Paper with Presenter Details
11:00 - 11:15 AM (IST) 01.30 - 01.45 PM (MYT)	A22019	<i>The Risk Factors and Vulnerabilities Affecting Sustainable Livelihoods of Goat Farmers in the upper northern area of Thailand</i> Presenter: Mr. Kitisak Thongmeethip, Chiang Mai University, Thailand
11:15 - 11:30 AM (IST) 01.45 - 02.00 PM (MYT)	A22020	<i>Correlation Between Handgrip Strength and Balance Among Geriatric Population.</i> Presenter: Ms. Hema Priya. S, Saveetha college of physiotherapy Saveetha University, Chennai, India
11:30 - 11:45 AM (IST) 02.00 - 02.15 PM (MYT)	A22041	<i>Cytotoxic Study of Zinc Oxide Nanoparticles on Human Glioblastoma Cell Line.</i> Presenter: Ms. Hemaroopini a/p Subramaniam, Universiti Tunku Abdul Rahman, Perak, Malaysia
11:45 AM -12:00 PM (IST) 02.15 - 02.30 PM (MYT)	A22047	<i>The Effect of Prolonged Sitting on Thoracic Spine Mobility Among College Students.</i> Presenter: Mr. Poovarasana Murugaiyan, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	A22048	<i>Effect of Posterior Tibial Nerve Stimulation on Fecal Incontinence Among Geriatrics</i> Presenter: Ms. Agalya Shanmugam, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
BREAK: 12:15 - 12:45 PM (IST) 02.45 - 03.15 PM (MYT)		
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	A22049	<i>Effectiveness of Resistance Training on Walking Speed Among Geriatric Population Compression</i> Presenter: Ms. K. Bharathi, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	A22050	<i>Effect of Posterior Tibial Nerve Stimulation on Erectile Dysfunction Among Elderly Patients.</i> Presenter: Mr. Nilavan.T, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
01:15 - 01:30 PM (IST) 03.45 - 04.00 PM (MYT)	A22051	<i>Effect of Sacral Nerve Stimulation on Detrusor Overactivity Among Spinal Cord Injury</i> Presenter: Ms. Deebika Gururajan, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
01:30 - 01:45 PM (IST) 04.00 - 04.15 PM (MYT)	A22052	<i>Effect of Posterior Tibial Nerve Stimulation on Overactive Bladder Among Multigravida Mothers</i> Presenter: Ms. Parameshwari, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India

End of this session



Technical Sessions- Day 2

Channel 5 (Zoom)		Parallel Session 5
Session Chair I	Assoc. Prof. Dr. Lavanya Prathap, Saveetha Dental College, Saveetha University, India	
Session Chair II	Dr. Ajeet Kumar, Korea Advanced Institute of Science and Technology, South Korea	
Date	26-November-2022 (Saturday)	
Time	11:00 AM to 02:00 PM (IST), 01.30 PM to 04.30 PM (MYT)	

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

Time	Abstract ID	Title of Paper with Presenter Details
11:00 - 11:15 AM (IST) 01.30 - 01.45 PM (MYT)	A22024	<i>Challenges of Urban Tourism towards Sustainability in Madurai Region</i> Presenter: Dr. B. Poornimasethupathi, Fatima College (Autonomous), Madurai, India
11:15 - 11:30 AM (IST) 01.45 - 02.00 PM (MYT)	A22021	<i>Isolation and identification of anaerobic bacteria and their antibiotic susceptibility profiles isolated from patients with acne vulgaris</i> Presenter: Ms. Salma Walid, INTI International University, Nilai, Malaysia
11:30 - 11:45 AM (IST) 02.00 - 02.15 PM (MYT)	A22022	<i>Development of Polyhydroxyalkanoate/Claytone Nanocomposites Films for Food Packaging Application</i> Presenter: Ms. Rhowini Palaniandi, Quest International University, Perak, Malaysia
11:45 AM -12:00 PM (IST) 02.15 - 02.30 PM (MYT)	A22023	<i>Antibiotic Susceptibility Patterns of clinical C. acnes isolates obtained from acne samples.</i> Presenter: Ms. Julia Agasaro, INTI International University, Nilai, Malaysia
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	A22025	<i>A Study on Type 1 Diabetes Mellitus Awareness Among Children Aged Between 5 To 16 Years and Sensory Evaluation of Formulated Moong</i> Presenter: Ms. K. Hindumathi, The American College, Madurai, India
BREAK: 12:15 - 12:45 PM (IST) 02.45 - 03.15 PM (MYT)		
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	A22027	<i>Comparative Study to Find Out the Effectiveness of Aerobic Exercise on Weight Reduction among Male and Female Overweight Middle-Aged Individual.</i> Presenter: Mr. Pranav. A, Chettinad School of Physiotherapy, Chettinad Academy of Research and Education, Chennai, India
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	A22028	<i>Halogenation Effect on PNA Base Pairs – A DFT Approach</i> Presenter: Ms. Indumathi Karunakaran, PSGR Krishnammal College for Women, Coimbatore, India
01:15 - 01:30 PM (IST) 03.45 - 04.00 PM (MYT)	A22029	<i>Free radical scavenging activity of anthocyanin from fruit wastes</i> Presenter: Ms. Venusha R S, PSGR Krishnammal College for Women, Coimbatore, India
01:30 - 01:45 PM (IST) 04.00 - 04.15 PM (MYT)	A22063	<i>Potential Use of Phyllanthus emblica.L Extracts Against Betalactamase Producing Bacterial Isolates In Shrimp.</i> Presenter: Ms. Mariam Ali Kki Mohamed Ali, Vels Institute of Science, Technology and Advance Studies, India

End of this Session



Technical Sessions- Day 2

Channel 6 (Zoom)		Parallel Session 6
Session Chair I	Dr. Chang Sook Keng, INTI International University, Malaysia	
Session Chair II	Asst. Prof. K. Ramana, Saveetha College of Physiotherapy, SIMATS, India	
Date	26-November-2022 (Saturday)	
Time	11:00 AM to 02:00 PM (IST), 01.30 PM to 04.30 PM (MYT)	

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

Time	Abstract ID	Title of Paper with Presenter Details
11:00 - 11:15 AM (IST) 01.30 - 01.45 PM (MYT)	A22030	<i>Performance analysis of photo chemical reactor for industrial wastewater treatment- response surface methodology.</i> Presenter: AP. Dr. V. Saravanan, Annamalai University, Annamalai Nagar, India
11:15 - 11:30 AM (IST) 01.45 - 02.00 PM (MYT)	A22031	<i>Effect of the Leaf Concentration and Calcination Temperature on Green-synthesized Zinc Oxide Nanostructure's Structural, Morphological and Optical Properties from Garcinia mangostana L. Leaf Extract</i> Presenter: Mr. Yu Bin Chan, Universiti Tunku Abdul Rahman, Perak, Malaysia
11:30 - 11:45 AM (IST) 02.00 - 02.15 PM (MYT)	A22032	<i>Epidemiological study of Musculo skeletal conditions among students of Higher Educational Institutes in Bengaluru City</i> Presenter: Dr. K. Ambika Devi, Mount Carmel College, Autonomous, Bengaluru, India
11:45 AM -12:00 PM (IST) 02.15 - 02.30 PM (MYT)	A22033	<i>Effect of Humming Walking on Depression Anxiety and Stress among Occupational Therapy Students</i> Presenter: Prof. Dr. T. Jegadeesan, College of Occupational Therapy, Jkk Munirajah Medical Research Foundation, Komarapalayam, India
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	A22034	<i>Effectiveness of Sustained Improvement of Functioning Mechanism in Helping Occupational Therapy Students with Mobile Phone Addiction</i> Presenter: Ms. Pooja Sri, College of Occupational Therapy, Jkk Munirajah Medical Research Foundation, Komarapalayam, India
BREAK: 12:15 - 12:45 PM (IST) 02.45 - 03.15 PM (MYT)		
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	A22035	<i>Investigating the Potential of Integrated Systems Between Green Synthesized Copper Oxide Nanoparticles and Chlorella Vulgaris (C. Vulgaris) In Palm Oil Mill Effluent (Pome) Treatment</i> Presenter: Dr. Lai-Hock TEY, Universiti Tunku Abdul Rahman, Perak, Malaysia
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	A22036	<i>Biosynthesis and Characterization of AgO and Chitosan-Ag₂ONPs and their antibacterial properties against human pathogens</i> Presenter: Ms. Niranjana Sundararajan, Viyen Biotech LLP, Coimbatore, India
01:15 - 01:30 PM (IST) 03.45 - 04.00 PM (MYT)	A22037	<i>Synthesis and Characterization of ZnO Nanoparticles for Antibacterial Applications.</i> Presenter: Ms. Zi Yin Wong, UCSI University, Cheras, Malaysia
01:30 - 01:45 PM (IST) 04.00 - 04.15 PM (MYT)	A22064	<i>A Review: In-vitro cultivation of Arbuscular Mycorrhizal Fungus for commercialization.</i> Presenter: Ms. Maunata Ghorui, Vels Institute of Science, Technology and Advance Studies, India

End of this Session



Technical Sessions- Day 2

Channel 7 (Zoom)		Parallel Session 7
Session Chair I	Asst. Prof. Dr. Geeta Mehra, MCM DAV College for Women (Panjab University), Chandigarh, India	
Session Chair II	Dr. Naresh Bhaskar Raj, Universiti Sultan Zainal Abidin, Malaysia	
Date	26-November-2022 (Saturday)	
Time	11:00 AM to 02:00 PM (IST), 01.30 PM to 04.30 PM (MYT)	

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

Time	Abstract ID	Title of Paper with Presenter Details
11:00 - 11:15 AM (IST) 01.30 - 01.45 PM (MYT)	A22042	<i>Cytotoxic Study of Zinc Oxide Nanoparticles on Human Cervical Cancer Cell Line</i> Presenter: Ms. Harshyini Maheswaran, Universiti Tunku Abdul Rahman, Perak, Malaysia
11:15 - 11:30 AM (IST) 01.45 - 02.00 PM (MYT)	A22043	<i>The Effect of Titanium Dioxide Nanoparticles on Haematococcus pluvialis's Growth pattern and Biomass concentration</i> Presenter: Ms. Manishaa Sri a/p Mahendran, Universiti Tunku Abdul Rahman, Perak, Malaysia
11:30 - 11:45 AM (IST) 02.00 - 02.15 PM (MYT)	A22055	<i>Effects of Visual Feedback on Balance and Risk of Fall Among Geriatric Population.</i> Presenter: Mr. Mohamed shameer, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
11:45 AM -12:00 PM (IST) 02.15 - 02.30 PM (MYT)	A22057	<i>Anti-cariogenic activity of silver nanoparticles synthesized from neem and cinnamon formulation</i> Presenter: Mr. Vipra Sharma, Saveetha Dental College and Hospitals, Saveetha Institute of Medical and Technical Sciences, Chennai, India
12:00 - 12:15 PM (IST) 02.30 - 02.45 PM (MYT)	A22058	<i>Anti-Diabetic Properties of Cinnamon and Clove Herbal Formulation</i> Presenter: Mr. Pranam Sinha, Saveetha Dental College, and Hospitals, Saveetha Institute of Medical and Technical Sciences, Chennai, India
BREAK: 12:15 - 12:45 PM (IST) 02.45 - 03.15 PM (MYT)		
12:45 - 01:00 PM (IST) 03.15 - 03.30 PM (MYT)	A22059	<i>Effectiveness of Jacobson's Relaxation Technique and Yoga in Insomnia Among Shift Working Nurses.</i> Presenter: Ms. Amrin. B, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
01:00 - 01:15 PM (IST) 03.30 - 03.45 PM (MYT)	A22060	<i>Workplace Self-Management by Academic Cum Clinical Physiotherapist – A Case Study</i> Presenter: Ms. Mythri Jain, Saveetha College of physiotherapy, Saveetha Institute of Medical and Technical Sciences, Chennai, India
01:15 - 01:30 PM (IST) 03.45 - 04.00 PM (MYT)	A22062	<i>The effect of splints combined with Task Oriented Approach to improving Upper Extremity skills function children with spastic Quadriplegic Cerebral Palsy.</i> Presenter: Mr. Suresh Melamalai, Medical Rehabilitation Centre, Gurayat General Hospital, Kingdom of Saudi Arabia
01:30 - 01:45 PM (IST) 04.00 - 04.15 PM (MYT)	A22065	<i>Medical Advantages of Fermented Sugarcane Juice with Probiotics on Gut Health</i> Presenter: Ms. S. Sugapriya, Vels Institute of Science, Technology and Advance Studies, India

End of this Session



