



***EURASIA RESEARCH  
CONFERENCE PROCEEDINGS***

***ICSTR Amsterdam – International Conference on  
Science & Technology Research, 21-22 April 2022***

Email: [convener@eurasiaresearch.info](mailto:convener@eurasiaresearch.info)

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Scientific and Technical Research Association (STRA) is an international community of researchers, practitioners, students, and educationists for the development and spread of ideas in the field of science and technology.

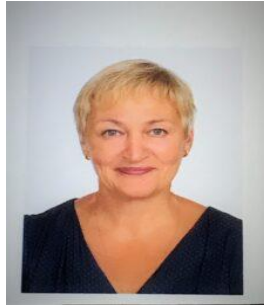
STRA is promoted by Eurasia Research. STRA aims to bring together worldwide researchers and professionals, encourage intellectual development, and treat opportunities for networking and collaboration. These objectives are achieved through academic networking, meetings, conferences, workshops, projects, research publications, academic awards, and scholarships.

The driving force behind this association is its diverse members and advisory board, who provide inspiration, ideas, efforts and drive collaborations. Scholars, Researchers, Professionals are invited to become a member of STRA and join this ever-growing network, working for benefit of society and research with the spirit of sharing and mutual growth.

#### Salient Features:

- 15000 + and growing network of professionals
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- Lifetime membership
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38	Dr. (Mrs) W. G. Samanthi Konarasinghe	Institute of Mathematics and Management, Sri Lanka

**Conference Schedule**

**Venue: The Tomlinson Centre, Queensbridge Road, London, UK**

**Date: 29th April 2022**

**Registrations: 8:30-9:00 AM**

**Opening of the conference: 9:00-9:30 AM**

**Session 1: Keynote Talk: 9:30-10:30 AM**

1.	Joko Suroso Faculty of Teacher Training and Education, National Islamic University of Kiai Haji Achmad Shiddiq Jember, East Java Indonesia	Profile of High Schools Students Science Literacy
2.	Dr. Merissa Braza Ocampo Ph.D., Fukushima Gakuin University, Fukushima City, Japan	Impact of Gratitude, Kindness, And Self- Compassion Intervention to Students' Brainwaves of Emotions
3.	Stalis Norma Ethica Magister Program of Clinical Laboratory Science Universitas Muhammadiyah Semarang, Central Java, Indonesia	Brown algae as a rich source of novel alginate-lyase producing bacteria to combat biofilm-related infection

**Session 2: Team Activity: 10:30 AM-11:30 PM**

**Session 3: Technical Talk 1: 11:30 AM-12:30 PM**

4.	Reem Alqahtani Economic, Taif University, Taif, Saudi Arabia ERCICBELLP2203052	The Impact of Renewable Electricity Generation on Employment at the State Level
5.	Caleb Opoku Mensah School of Finance, Jiangsu University, Zhenjiang, China ERCICBELLP2203053	Big Data Characteristics and Innovation Performance in Small and Medium-sized Enterprises (SMEs) During COVID-19 Pandemic: The role of the Big Data Team
6.	Lamin Jaiteh Disease Control and Elimination, Medical Research Council the Gambia at London School of Hygiene and Tropical Medicine, Banjul the Gambia ERCICRLSH2203058	Listener
7.	Andreas Burger Medical radio service, Vienna, Vienna, Austria ERCICRLSH2203078	Listener
8.	Lawrence Nandam Turner Institute for Brain and Mental Health School of Psychological Sciences, Monash University, Melbourne, Australia ERCICRLSH2203079	Listener
9.	Sandhya Keller General Practice, Royal Australian College of	Listener

	General Practitioners, Brisbane, Australia ERCICRLSH2203084	
10.	Unigunde Antone Department of Food Technology, Faculty of Food Technology, Latvia University of Life Sciences and Technologies, Riga, Latvia ERCICRLSH2203088	Antimicrobial Effects of Whey Permeate- Derived Animal Feed Acidifier

**Session 4: Technical Talk 2 and Valediction: 12:30 PM-1:00 PM**

**Lunch Break and Group Photo: 1:00 PM-2:00 PM**

**Note:**

The presentations for all the unregistered participants who have not confirmed their arrival yet and will be registering on spot at the conference venue will be held after the scheduled presentations in Technical Talk 2.

All the participants are requested to wear masks and carry sanitisers with them.

For your information, the following are the important details to be noted:

Venue: The Tomlinson Centre, Queensbridge Road, London, UK

Room: Bloom 2

Co-ordinator Name- Dr. Davis Lazarus

Google Maps: <https://goo.gl/maps/KHR1VTgN8iubvUeP7>



**Conference Schedule**

**Platform: Zoom**

**Date: 30<sup>th</sup> April 2022**

**Opening of the conference: 6:30-6:45 AM**

**Session 1: Keynote Talk: 6:45-7:15 AM**

11.	Dr. Maria Teresa Matriano Assistant Professor, Middle East College, Al Rusayl, Knowledge Oasis, Muscat, Oman	The Future of Learning and Teaching
12.	Dr Sheryl Grace Colaco Professor, Dept. of Electrical & Electronics Engineering, St. Joseph Engineering College, Vamanjoor, Mangalore, India	Lighting for Horticulture
13.	Dr. Abdulrasheed Olatunji Abdussalam Associate Prof, Islamic University of Perlis, Malaysia	Psychological and Social Factors Responsible for Violence among the Secondary School Students in Nigeria



Session 2: Team Activity: 7:15-7:45 AM

Session 3: Technical Talk: 7:45-9:00 AM

14.	Yun Hsuan Chiu Graduate Institute of Human Resource Management, National Changhua University of Education, Changhua, Taiwan ERICBELLP2237060	Corporate Reputation and Job Pursuit Intention: The Mediation Effects of Organizational Attractiveness and Moderation Effects of Need For Cognition
15.	Hsiao Ting Tseng Graduate Institute of Human Resource Management, National Changhua University of Education, Changhua, Taiwan ERICBELLP2237061	Decisional Procrastination and Work Performance: Moderation Effects of Perfectionism
16.	Hsiao-Yuan Chu Graduate Student of Graduate Institute of Education, National Changhua University of Education, Changhua, Taiwan ERICBELLP2237074	Investigating the Association Among High School Students' Experience of Cyberbullying, Moral Disengagement, and Psychological Well-being
17.	Asmaa Alazmi Department of Construction Project, Ministry of Public Work in Kuwait, Kuwait ERICSTR2237056	Develop a Spatial Splitting Strategy on Land Use Data for Systematic Prediction Model Validation
18.	Adrien Durand Selarl Adrien Durand, Nice, France ERICRLSH2237055	Listener
19.	Jia Yin Lin Business Administration Department, National Changhua University of Education, Changhua, Taiwan ERICBELLP2203141	The Study of Instagram Followings and Followers on Likes, Commenting, and Sharing Intentions

**Note:**

1. You may download the ZOOM following the below link: <https://zoom.us/download>
2. We request to rename your account with your name. This will help us to record your presence.
3. You may ask your questions related to the presentation in the chat section.
4. All the certificates & receipts will be sent to the participant's within a week on their mail IDs.
5. Please calculate your local time accordingly by entering your city on this link: <https://savvytime.com/converter/gmt/apr-30-2022/6-30am>
6. You can attend the live session Facebook at the same time following the below-given link: <https://www.facebook.com/eurasiaresearch>

We're looking forward to an excellent meeting with great researchers from different countries around the world and sharing new ideas on 30 April 2022.

## **Preface:**

Scientific & Technical Research Association (STRA) is a conglomeration of academia and professionals for promotion of research and innovation, creating a global footprint. STRA aims to bring together worldwide researchers and professionals, encourage intellectual development and providing opportunities for networking and collaboration. These objectives are achieved through academic networking, meetings, conferences, workshops, projects, research publications, academic awards and scholarships. STRA strives to enrich from its diverse group of advisory members. Scholars, Researchers, Professionals are invited to freely join STRA and become a part of a diverse academic community, working for benefit of academia and society through research and innovation.

For this conference around 40 Participants from around 11 different countries have submitted their entries for review and presentation.

STRA has now grown to 16,450 followers and 9500 members from 85 countries.

Membership in our scholarly association STRA is chargeable.

List of members: <https://straweb.org/membership/list-of-members/>

Membership Application form link: <https://straevents.org/membership?association=stra>

Proceedings is a book of abstracts, all the abstracts are published in our conference proceedings a day prior to the conference.

You can get our conference proceedings at: <https://straweb.org/conference/proceedings/>

We hope to have an everlasting and long-term friendly relation with you in the future.

In this context we would like to share our social media web links:

<https://www.facebook.com/eurasiaresearch/>

You will be able to freely communicate your queries with us, collaborate and interact with our previous participants, share and browse the conference pictures on the above link.

Our mission is to make continuous efforts in transforming the lives of people around the world through education, application of research & innovative ideas.

## **KEYNOTE SPEAKER**



### **Joko Suroso**

Faculty of Teacher Training and Education, National Islamic University of Kiai Haji Achmad Shiddiq Jember, East Java Indonesia

Topic: Profile of High Schools Students Science Literacy

Joko Suroso is a member of National Islamic University of Kiai Haji Achmad Shiddiq (UINKHAS) is a national college under the ministry of Religion Republic Indonesia. I currently worked at UINKHAS as the lecturer for science and physic major in faculty of teacher training and education since 2019. Thus, it is my huge responsible to establish such scientific research dealing with the value of Tri Dharma (The three principles) in the college. Since the year of 2019 until 2022 I always active to join international seminars or even to have research held by whether domestic university or abroad. In addition, there are 4 journals I have published in reputable publisher both for domestic and international level.

## **KEYNOTE SPEAKER**



### **Dr. Sheryl Grace Colaco**

Professor, Dept. of Electrical & Electronics Engineering, St. Joseph Engineering College, Vamanjoor, Mangalore, India

Topic: Lighting for Horticulture

Sheryl Grace Colaco is currently working as Professor in the Dept. of Electrical & Electronics Engineering at St. Joseph Engineering College, Mangalore-India. She is actively engaged in research and has 7 international Q1 Journal publications. Gold Medal in M. Tech. General Electric (GE), USA, Scholarship -2001 for academic excellence and leadership qualities (during M. Tech.). Govt. of India, Science & Technology Grants for the PhD research project. Intellectual Ventures Invention Award-2011 (Inv. ID: 814205) for the PhD research projects she was the principal investigator for Dept. of Science Technology, Govt. of India funded project for her PhD research work in 2009. Recipient of International Society for Optics & Photonics-(SPIE), USA education outreach Grants 2020. IUCEE award for Excellence in Community Outreach Through Projects -January 2022.

## PRESENTERS

(Applicants & Participants)

<p style="text-align: center;"><b>Asmaa Alazmi</b> ERCICSTR2237056</p>	<p style="text-align: center;"><b>Develop a Spatial Splitting Strategy on Land Use Data for Systematic Prediction Model Validation</b></p> <p style="text-align: center;">Asmaa Alazmi Department of Construction Project, Ministry of Public Work in Kuwait, Kuwait</p> <p style="text-align: center;"><b>Abstract</b></p> <p>Land use regression modeling (LUR) thorough local scale circular modeling domain has been used to characterized air pollution exposure, predict traffic-related pollutants, and define health effects for individuals within urban area. It is based in use land use variables (e.g. road type, traffic count, elevation, etc.) as input variables in regression analysis to build empirical predictive models of the pollutant concentration. Machine learning has gained substantial attention, due to the preponderance of data stemming from the information explosion. Machine learning models are designed to make as much as accurate predictions. This paper introduces new type of split data to train/test set for land use regression model validation purpose. K-mean clustering applied on the spatial land use data to split Blacksburg (VA) area to different set that share the same spatial characteristics rather than split the area by location. The finding of this paper can be used later to test the reliability and stability of the stational prediction models by test the model performance in unseen areas by eliminating locational information in the model training process.</p> <p><b>Keywords:</b> Machine Learning, K-Mean Clustering, Land Use Data</p>
 <p style="text-align: center;"><b>Mehriban Imanova</b> ERCICSTR2203071</p>	<p style="text-align: center;"><b>New Model of Technological Progress: Science and Education</b></p> <p style="text-align: center;">Mehriban Imanova Yusif Safarov 27, Science Development Foundation, President of the Republic of Azerbaijan, Azerbaijan</p> <p style="text-align: center;"><b>Abstract</b></p> <p>The system of science and technology has undergone significant changes in recent years. The organizational structure of science is changing, albeit very slowly: the size of old scientific organizations has noticeably decreased, which has increased the flexibility and quality of management. New sectors appeared - non-state science and small innovative business. The provision of instruments and equipment has not improved, but the differentiation between the strong and the weak has increased. Science has aged significantly, but in the last year or two, the interest of young people in the natural sciences and technical universities has somewhat increased. Science and education converge very slowly. The solution of this problem could give a qualitatively new impetus to the process of the revival of domestic fundamental science.</p>
<p style="text-align: center;"><b>Peter Kaba</b> ERCICSTR2203058</p>	<p style="text-align: center;"><b>Multivariate Analysis of Heavy Metals and Human Health Risk Implications associated with Fish Consumption from The Yangtze River in Zhenjiang City, China</b></p> <p style="text-align: center;">Peter Kaba International House, United Graduate School of Agricultural Sciences, Ehime University, Japan</p> <p style="text-align: center;"><b>Abstract</b></p> <p>Heavy metal contamination in aquatic environments has been a hot topic in the past decades. Herein, using fish species as bioindicators. The levels of toxic and essential metals in the Yangtze River were analyzed by multivariate analysis. Muscles of 60 fish samples which comprised of six different fish species: hypophthalmichthys molitrix, ctenopharyngodon idellus, blicca bjoerkna, mylopharyngodon piceus, carassius carassius, and pelteobagrus fulvidraco; were analyzed for total lead (pb), cadmium (cd), zinc (zn), aluminum (al) cobalt (co), magnesium (mg), chromium (cr), and copper (cu). The health risk indices (carcinogenic and non-carcinogenic) associated with consumers' health were estimated for both child and adult. Finding of the study revealed that of the analyzed metals, zn recorded the highest mean concentration of 9.87 µg/g in carassius carassius followed by mn (7.97 µg/g) in pelteobagrus fulvidraco, cu (2.07 µg/g) in mylopharyngodon pieces, pb (1.04 µg/g) in</p>

hypophthalmichthys molitrix, cr (0.63 µg/g) in hypophthalmichthys molitrix, cd (0.19 µg/g) in blicca bjoerkna and ni (0.16 µg/g) in pelteobagrus fulvidraco all measured in wet weight (w/w). In addition, the health risk assessments revealed that children are at heightened non-carcinogenic risk for pb, cd, and co upon consuming the examined fish species. Moreover, target cancer risk showed that the examined fish species are safe for inhabitant's consumption and may not pose cancer effects to both children and adults. Furthermore, the principal component analysis revealed that the pollution of metals in yangtze river originates mainly from anthropogenic activities and could deteriorate the quality of fish in yangtze river. This therefore in forms proper monitoring and regulation to protect the resources of the yangtze river.



Shafiq Ur Rehman  
ERCICSTR2203061

**The Shafiq Ur Rehman Son of Abdul Hakeem Conqueror, Owner, Winner, Design, Weather and Researcher of World the Hybrid Transformation System of Hybrid Aircraft Space Craft Submarine, Helicopter, Hovercraft and Ship System**

Shafiq Ur Rehman

Hybrid Design, Hybrid World of Science and Technology, Karachi, Pakistan

**Abstract**

In this innovation and research work, i introduce the hybrid transformation system for saving life from the natural and artificial system with respect to physical and biological science system for human being, animal and artificial. in this research work hybrid design analysis of submarine transform into ship or straight board this is first stage of hybrid transformation system, similarly second stage transform into ship, the ship transform into helicopter, the fourth stage helicopter transform into space craft, the fifth stage aircraft convert into space craft and sixth stage the space craft and aircraft transform into hybrid hovercraft for the space science. The main purpose of research is to develop the quantitative and qualitative model for the hybrid transform system for the world of science and technology. These more than six stage transform more than twenty sub stages of hybrid science with respect to physical and biological science according to hybrid physical and biological science. The background of this research nothing before develop in in this research and development. I am the one in billions who develop the methodology of saving life from natural and artificial disaster. The main goal of this research modification of law of conservation of energy that energy can be create nor destroy from one forms to another form of energy. The energy never losses but it can also recovery of energy with respect to matter, solid, liquid, gas, plasma, blackhole and hybrid energy. It is the only one model for the science and technology that define direction of saving every living and nonliving. Please do not discuss the religious matter because the political matter. The most important of our research is to develop the system for the economic system which reduce the poverty of the poor people of the realm era. The methodology is twenty two discipline of engineering and similarly for non-engineering world. The most important design of beyond the vision and out of the world of science and technology. This design has no loss only profit.

**Keyword:** Hybrid Aircraft, Space Craft, Hybrid Hovert, Submarine, Helicopter.

Amal Suleibe  
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**Managing with Intelligent Dashboards A case study of EMR using Open-Source Tools**

Amal Suleibe

Faculty IT, Hebron University, Hebron, Palestine

**Abstract**

In the age of evolution that is based on knowledge and information that is changing dramatically in a blink of an eye, rapidly spread all over its sources, especially the internet, the learning process became a necessity for the survival of institutions and organizations. It is the strongest organization that keeps pace with the knowledge and the needs of the customer. One of the strengths that an organization can have is the presence of highly capable and experienced educated individuals to compete in the market. The best learning is group learning as for the organization as a whole and not just at the individual level, where organizations and institutions are now facing many terms that are changing rapidly and permanently due to the emergence of the industrial revolution, so now institution are forced to hire individuals who are familiar with these terms in order to be able to keep up with the changing

environments and competition in the market(Burma, 2015). The process of obtaining the correct information from all sources at the right time is not easy, so it was necessary to use tools that help in the process of collecting information from its places such as the tools used in the (ETL) process , which is defined as a process in which data extracted from different sources then transferred, then it is placed in the data warehouse (Ramesh Sharda , Dursun Delen, 2013). The following figure shows the use of the ETL process to collect, analyze and store data in the repository.



**Priya Nandini**  
ERICSTR2203078

**In-Silico Studies of Glycosyltransferase Enzyme in Exopolysaccharide Production**

Priya Nandini  
Biotechnology, BIT Mesra, Ranchi, India

**Abstract**

Glycosyltransferase belongs to a family of enzymes that moves stimulated sugar moieties to the acceptor substrate. GTF genes have been involved in the formation of bacterial exopolysaccharides (EPS), capsular polysaccharide and lipopolysaccharide. They are found in both prokaryotes and eukaryotes. In humans, they are involved cell signaling, adhesion, cancer and cell wall biosynthesis. As the interest in natural polysaccharides has expanded, EPS is considered for use in drugs, food and other industries and it can be likewise valuable for the agriculture and biotechnology sectors. Thermophiles can be a novel organism for the production of EPS as they possess a lot of properties such as high metabolism, produce physically and chemically stable enzymes and lower growth but higher end-product yields than similar mesophilic species which is valuable for industries. In this study, we have compared five thermophiles and five mesophilic to analyze the differences between glycosyltransferase enzymes using the in-silico approach. According to the result of physicochemical determination, the GRAVY value is found to be higher in mesophilic than in thermophiles. The Aliphatic index is higher in thermophile which is a positive factor for the increase of thermostability of the given protein. Primary structure analysis reveals that Alanine and Isoleucine are dominant in thermophiles as compared to mesophilic. Thermophiles are seen to balance positive and negative amino acids only. Thermophiles have fewer polar amino acids which indicate that they have a tendency to decrease destabilizing amino acids. In thermophiles and mesophilic most of the structure is alpha-helix followed by random coil which indicates true enzymatic activity and structural flexibility

**LISTENERS**

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## Upcoming Conferences

<https://straevents.org/stra>

