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## **Book of Abstracts Proceedings**

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## **ORGANIZING COMMITTEE**

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### **CONFERENCE TRACKS**

- Social and Community Studies
- Arts
- Humanities
- Civic and Political Studies
- Cultural & Global Studies
- Environmental Studies
- Organizational Studies
- Educational and Communication Studies
- Economics, Finance & Accounting
- Business and Management Studies
- Computer and Software Engineering
- Mechanical & Metallurgical Engineering
- Electrical & Electronics Engineering
- Civil Engineering
- Bio-Technology & Food Technology
- Chemistry & Chemical Engineering
- Physical, Applied and Life Sciences
- Interdisciplinary
- Medical and Health Sciences
- Paramedical Sciences
- Medicine Sciences
- Biological and Life sciences
- Veterinary Medicine and Sciences
- Food Science & Nutrition
- Agricultural sciences
- Interdisciplinary



### **CONFERENCE CHAIR MESSAGE**

#### Dr. Vincent W Ho

"International Conference of Akademika Nusa Internasional" is a platform that thrives to support the worldwide scholarly community to analyze the role played by the multidisciplinary innovations for the betterment of human societies. It also encourages academicians, practitioners, scientists, and scholars from various disciplines to come together and share their ideas about how they can make all the disciplines interact in an innovative way and to sort out the way to minimize the effect of challenges faced by the society. All the research work presented in this conference is truly exceptional, promising, and effective. These researches are designed to target the challenges that are faced by various sub-domains of the social sciences, business and economics, applied sciences, engineering and technology, health and medical sciences.

I would like to thank our honorable scientific and review committee for giving their precious time to the review process covering the papers presented in this conference. I am also highly obliged to the participants for being a part of our efforts to promote knowledge sharing and learning. We as scholars make an integral part of the leading educated class of the society that is responsible for benefitting the society with their knowledge. Let's get over all sorts of discrimination and take a look at the wider picture. Let's work together for the welfare of humanity for making the world a harmonious place to live and making it flourish in every aspect. Stay blessed.

Thank you.

Dr. Vincent W Ho

Conference Chair

Email: Conferencechair.ani@gmail.com



## **CONFERENCE SCHEDULE**

#### ANISSH-2018

**Venue: Hotel Mystays Ochanomizu Conference Center** 

Time: Registration & Kit Distribution (09:00 am - 09:10 am)

Day: Saturday
Date: December 29, 2018

Venue: Room 1

	09:10 am - 09:20 am	Introduction of Participants
	09:20 am - 09:30 am	Inauguration and Opening address
Ī	09:30 am - 09:40 am	Grand Networking Session

Tea/Coffee Break (09:40 am - 10:00 am)



### DAY 01 Saturday (December 29, 2018)

#### First Presentation Session (10:00 am - 12:00 pm)

Venue: Room 1 Session Chair: Dr Vincent W Ho

### Track A: Engineering, Technology & Applied Sciences

Presenter Name	Manuscript Title	Paper ID
PEIAB-DEC18-103	An Integrated Agricultural Products Analytics and Direct	Dr. Putsadee Pornphol
	Transactions for Farmers	
PEIAB-DEC18-104	Diagnosis of Autism Spectrum Disorder from Amygdala	Yian Seo
	MRI Image Using Convolutional Neural Network	
PEIAB-DEC18-107	Selection of Lactic Acid Bacteria Isolated from Thai	Usa Panritdam
	Traditional Fermented Foods to Use as Starter Cultures	
	Based on Antioxidant Activity and no Histidine Produc-	
	tion	

### Track B: Business, Economics, Social Sciences & Humanities

Truck D' Dusmess, Economies, Social Sciences & Trumamires		
MRSSM-128-ANI101	Work Life Balance in College for university teachers- A	Dr. Hama Marfie
	comparison of UK and Kuwait	
SASE-DEC-117	Understanding the impact of Resilience on Academic	Dr. Shalini Srivastava
	Burnout-Student Engagement Relationship: A study on	
	Management Students of Delhi-NCR, India	
SASE-DEC-118	Cloud Kitchen: A study on Customer Perception of Elec-	Dr Richa Misra
	tronic Food Ordering	
SASE-DEC-121	A Simulation Study of a Biological Control of Cassava	Chontita Rattanakul
	Mealybug by Anagyrus Lopezi and Green Lacewings	
SASE-DEC-127	A program of trans-disciplinary higher education in Tai-	Mingder Yang
	wan	

### Track C: Medical, Medicine, & Health Sciences

TKM-4128-105	Establishment of the Shariah Framework for the Applica-	Zakiah Samori
	tion of Somatic Gene Therapy in Human	

Lunch Time & Closing Ceremony (12:30 pm - 01:30 pm)



## **Participants Registered As Listener/ Observer**

The following Scholars/ practitioners who don't have any paper presentation, however they will attending the conference as delegates & observers.

Official ID: TKM-4128-103A Dr Vincent Dasilva Prime Anaesthetics, Sydney Australia

Official ID: TKM-4128-104A Goli Minagar OBGYN/ womans health, India

Official ID: TKM-4128-107A

Dr. Julian Doan

Assistant Professor Department of Anesthesiology McGill University Montreal, Quebec, Canada

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Official ID: TKM-4128-109A Madhavi Reddy MD The Brooklyn Hospital Center, New York

Official ID: SASE-DEC-134A

Akunne.chijekwu Faith

Hanseo University Phd Lifelong Education, Korea



Conference Day 02 (December 30, 2018)

Second day of conference will be specified for touristy. Relevant expenses are borne by Individual him/herself.



# TRACK A ENGINEERING, TECHNOLOGY & APPLIED SCIENCES



## An Integrated Agricultural Products Analytics and Direct Transactions for Farmers

<sup>1\*</sup>Dr. Putsadee Pornphol,<sup>2</sup>Urairat Makchan, <sup>3</sup>Suphamit Chittayasothorn <sup>1,2,3</sup>Digital Technology-Phuket Rajabhar University, Thailand Corresponding Email: putsadee.p@pkru.ac.th

Keywords: Information Systems, Web search engine, Database, Farmer, Crops, E-commerce

It is now recognized that the Internet has made connectivity at the global level possible. Data transfer and migration from all over the world can be done quickly. Network technology is a technology that plays an important role in the operation. Every organization pays attention. Trading has been changed to the form of E-commerce that allows customers to quickly access the desired goods, reducing the role of the middleman. However, E-commerce is still a business for some people who have knowledge in using technology in doing business, while some groups, like farmers, still need to sell their goods through intermediaries who buy products to sell to the real market or sell products to middlemen who sell their goods online. This problem has led to the research of online marketing that will enable farmers who produce products and consumers to trade directly. Both parties can compare the buying and selling price of the product from the central government price or the middle price set by the private market. This is beneficial to both producers and consumers. This paper presents a research on the development of online market information system for Thai farmers to sell their products directly to consumers by using web search engine to retrieve the price data that the government and private markets set up online to show the producers and consumers before setting the selling price and considering the buying price. The important benefit of this research, in addition to raising revenue for the producers and reducing costs to consumers, is using the obtained data to analyze for the support of decisionmaking by public and private agencies to specify the agricultural areas suitable for the geography and economy of the country.



## Diagnosis of Autism Spectrum Disorder from Amygdala MRI Image Using Convolutional Neural Network

<sup>1\*</sup>Yian Seo, <sup>2</sup>Kyung-shik Shin
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Keywords: Convolutional Neural Network, Amygdala, MRI image

Autism Spectrum Disorder (ASD) is a group of developmental disabilities with restricted patterns of behavior, and impairments in social interaction and communication. Amygdala is a set of two almond-shaped groups of nuclei located in the temporal lobes of the brain involved in learning, decision-making, and emotions. The study has found out that 6 to 7-year-old children with ASD have bilateral enlargement of laterobasal subregions of the amygdala and that subregional alterations are even associated with deficits in social and communicative behavior of ASD children. Therefore, comparison of the size of amygdala can be performed for diagnosis of ASD. To diagnose ASD, several criteria and scales are used such as Diagnostic and Statistical Manual of Mental Disorders IV (DSM-IV). In reality, these tests cannot be the only sources for diagnosis as it is difficult to apply diagnostic process on a child and heuristically comparing the size of amygdala from MRI photographs can be inaccurate. However, as Convolutional Neural Network (CNN), extracting features from images data for prediction, classification, segmentation, and detection purposes, can be used to train the classifier to compare the size and shape of amygdala from MRI image. Therefore, in this study, we propose to use a pre-trained CNN to classify MRI images of ASD group and normal group. This study has contributions in that it can be used as a major cross-check tool for the diagnosis of ASD, which can help doctors and specialists, and it has the significance of suggesting a new means of diagnosing ASD.



## Selection of Lactic Acid Bacteria Isolated from Thai Traditional Fermented Foods to Use as Starter Cultures Based on Antioxidant Activity and no Histidine Production

<sup>1\*</sup>Usa Panritdam, <sup>2</sup>Duangporn Kantachote, <sup>3</sup>Thomas Haertle, <sup>4</sup>Yvan Choiset, <sup>5</sup>Hanitra Rabesona
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Keywords: Antioxidant, Histamine, Lactobacillus Fermentum, Lactobacillus Plantarum, Tyramine.

Four strains of lactic acid bacteria (LAB), isolated from various Thai traditional fermented foods, were investigated on free radical scavenging activity of 2, 2-diphenyl-1-picrylhydrazyl (DPPH) and 2, 2-Azino-bis-3-ethylbenzothia zoline-6-sulfonic Acid (ABTS). Antioxidant activity by all isolated LAB in intracellular cell free extracts (ICFE) was higher than in intact cells. The LAB strains FF and FB, isolated from fermented foods (fish and sliced beef), their (ICFE) showed the highest radical- scavenging activity for DPPH and ABTS at 65% and 60%, respectively for the former strain. The detection of amino acid decarboxylase of LAB were investigated by growing on decarboxylase medium and quantitatively evaluated by confirmation of amine forming capacity using an HPLC procedure. In this work, all tested LAB strains were tyramine producer; however, the weakest strain was FF followed by strain FB. In contrast, all of them did not produce histamine. Based on 16S rRNA genes, strain FF was identified as Lactobacillus fermentum, while strain FB was Lactobacillus plantarum. Both are potential starter cultures for producing fermented meat sausages.



## TRACK B BUSINESS, ECONOMICS, SOCIAL SCIENCES & HUMANITIES



## Work Life Balance in College for University Teachers- A Comparison of UK and Kuwait

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Keywords: Work Life Balance, Dynamic Environment, United Kingdom

Organizations are striving in a dynamic environment that is exerting lot of pressures on the organization. In order to survive in such hostile environment, organizations are restructuring and re-organizing them. One of the recent moves is the change in work patterns and duration. This is influencing the work life balance of the people. This, not only, has an adverse influence on health of the teachers but also disturb their family life. Work life balance is associated with organizational performance. The aim of this research is to investigate perception of work life balance among the teachers of educational institution of Kuwait and the United Kingdom. This will not only draw knowledge about both the regions but would also provide an opportunity for cross border comparison. In this regard, a field study will be conducted in both the regions. The findings of this research will reveal significant insights about the work life balance of higher education sector of both Kuwait and UK. A comparison of the two countires will help in making cross-border comparison of the issue. The findings of this research will generate insights for job design. This will improve the performance of the teachers and will ultimately improve organizational performance.



# Understanding the impact of Resilience on Academic Burnout-Student Engagement Relationship: A study on Management Students of Delhi-NCR, India

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Keywords: Academic Burnout, Student Engagement, Resilience, Management Students, India

The present research intends to assess the relationship between Academic Burnout-Student Engagement Relationship on Management Students of Delhi-NCR region of Northern India. It further attempts to study the moderating impact of Resilience on Academic Burnout-Student Engagement relationship. The major concern of the present study is to understand the psyche of the budding professionals who are perceiving increased stress and pressure. Descriptive statistics, correlation and moderated regression analysis was used The study found a positive association between student engagement and resilience, a negative association between academic burnout and student engagement and a moderating impact of resilience on academic burnout and student engagement relationship.



## Cloud Kitchen: A study on Customer Perception of Electronic Food Ordering

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Keywords: Online food ordering, Site ease, convenience, control, Fear of technology, Need of Interaction

Customer Satisfaction and behavioural intention are most critical determinant in food industry. The study includes structured survey of 100 internet users, more than eighty percent said they prefer ordering food online. The motivating factor for online food ordering is convenience control and user friendly website. The impeding factors are fear of technology and a need of personal interaction while ordering food online.



## A Simulation Study of a Biological Control of Cassava Mealybug by Anagyrus Lopezi and Green Lacewings

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Keywords: Cassava Mealybug, Anagyrus Lopezi, Green Lacewing, Monte Carlo Simulation

Anagyrus Lopezi and green lacewings are recommended as biological control agents for controlling the spread of cassava mealybugs in a cassava field in Thailand. In this study, we investigate the spread of cassava mealybugs when Anagyrus Lopezi and green lacewings are released in the field by using Monte Carlo simulation technique.



## A program of trans-disciplinary higher education in Taiwan

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Keywords: Inter-Disciplinary, Higher Education, Problem-Based-Learning, Trans-Disciplinary

Contrast to the major department instituted based on a single or narrow expertise in most colleges worldwide, recently inter-disciplinary programs are getting more attention in higher education. A multi-year program of trans-disciplinary education to integrate society, humanity, and science has been executed to cultivate to trans-disciplinary talents based on a major professional learning in Taiwan. Through Problem-Based-Learning (PBL) courses, this trans-disciplinary education is processed to solve cross-boundary and top-priority issues in society and countries. This trans-disciplinary education program tries to cultivate college students being able to engage to real world problems, such as, extreme weather, aging population, poverty, environment conservation, and so on, which the new generation will face to in the future world from either global or local aspect. However, such real problems or issues are often complicated, critical, and urgent, this trans-disciplinary education program provides college students a great opportunity to learn and apply trans-disciplinary knowledge instead of requirement to just memorize the theories and taking tests in lecture. This article briefly describes the process and progress of the trans-disciplinary education program in Taiwan, including course design and arrangement, teaching aid workshops, and outcome.



## TRACK C MEDICAL, MEDICINES & HEALTH SCIENCES



## Establishment of the Shariah Framework for the Application of Somatic Gene Therapy in Human

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Keywords: Somatic Gene Therapy, Shariah Framework, Islamic Principles Maqasid Syariyyah Qawaid Fiqhiyyah

Human gene therapy is best known as a transfer of nucleic acids to either the somatic cells or germ cells of an individual. It introduces genetic materials which have therapeutic purpose ranging from inherited genetic disorders to certain malignancies and infectious diseases. This medical scientific breakthrough has received lucrative demand worldwide as it offers potential treatment to cure genetic diseases in human at the molecular level. Since then, thousands of people have already participated in the trials thus it is likely to be part of medical practice in the future. Despite of the tremendous benefits that it promises, this new biomedical technology has given rise to several contentious issues from the ethical and religious point of view. Since it comprises of two different therapies namely somatic and germ line gene therapy, each involves different procedures thereby poses different legal ruling and decision. This study attempts to propose a complementary model of the Shariah framework on the human gene therapy with special reference to the somatic gene therapy. This proposed framework is designed and developed to fulfil the lacuna of the Shariah Framework on the application of the somatic gene therapy after an in depth study of its position from the Shariah point of view. In achieving this, a detailed analysis and outlook into the Quranic evidences along with the Hadith of the Prophet Muhammad pbuh were carried out. Following this, its position from the pragmatic approach of the Magasid al-Syariyyah (Objective of the Shariah) and the Oawaid Fighiyyah (Islamic Legal Maxims) is also analyzed in further detail. This model of Shariah Framework would serve as the ethical basis for the application of somatic gene therapy in Malaysia and beyond (particularly Muslim countries) especially for Muslim doctors, scientists and Muslims at large. For Muslim countries such as Malaysia where Muslims makes the majority of the population and Islam as the official religion in Article 3 of its Federal Constitution, this framework is deemed to be important reference in providing the essential guidelines on the permissibility of this therapy. Consideration of the position of Somatic Gene Therapy from the Shariah perspective is undeniably crucial in any attempt to regulate Somatic Gene Therapy in any Muslim countries in the future.



### **UP COMING EVENTS**

You can find the details regarding our upcoming events by following below:

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