PROCEEDINGS

MBSAE-2019

2nd International Conference on Modern Trends in Biotechnology System Modeling, Applied Sciences Engineering & Technology

Venue: Hotel Mystays Ochanomizu Conference Center

Tokyo, Japan

Date: November 23-24, 2019

Consortium of Engineering & Technology

CONFERENCE BOOK OF ABSTRACT PROCEEDINGS

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2nd International Conference on Modern Trends in Biotechnology, System Modeling, Applied Sciences, Engineering & Technology (MBSAE-2019)

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Proceedings of the 2nd International Conference on Modern Trends in Biotechnology, System Modeling, Applied Sciences, Engineering & Technology

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2nd International Conference on Modern Trends in Biotechnology, System Modeling, Applied Sciences, Engineering & Technology (MBSAE-2019)

Venue: Hotel Mystays Ochanomizu Conference Center, Japan

Conference Theme: Provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Engineering and Technology.

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ADVISORY BOARD

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CONFERENCE TRACKS

- 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

CONFERENCE CHAIR MESSAGE

Michael Sasaoka

"International Conference of Consortium of Engineering & Technology" 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 and applied 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.
Michael Sasaoka
Conference Chair
Email: contact@consortium-et.com

Start Time

09:00 am - 09:10 am: Registration & Kit Distribution
09:10 am - 09:20 am: Introduction of Participants
09:20 am - 09:30 am: Inauguration and Opening address
09:30 am - 09:40 am: Grand Networking Session

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

Session: 01
10:00 am - 11:30 am: Presentation Session
Track A: Business, Economics, Social Sciences and Humanities

Paper ID	Manuscript Title	Presenter Name
CRSMA-NOV2019-110	Following Up the Result of Training Curriculum of Using English in Classroom of English Teacher in Primary School	Wannee Niamhom
CRSMA-NOV2019-111	Guidelines to the Development of Gastronomy tourism in Thailand	Sedtawat Prommasit
Track B: Engineering, Technology & Applied Sciences		
TKE-4119-101	Blockchain Ledgers And Cryptocurrencies: Review and Taxonomy	Dr Fefie Dotsika
MBSAE-NOV19-103	Use of Advanced Oxidation Process for the Removal of Herbicide as A Green Technology	Prof. Wei Chu
Track C: Medical Medicine and Health Study		
TKM-4119-101	In Investigation of Rapid Office Strain Assessment Among Office Workers in Furniture Factory,Pathum Thani Province, Thailand	Patcharakamon Klunbut

Lunch Break & Ending Note: (11:30 am - 12:30 pm)

Conference Day 02 (November 24, 2019)

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

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TRACK A

BUSINESS, ECONOMICS, SOCIAL SCIENCES AND HUMANITIES

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Following Up the Result of Training Curriculum of Using English in Classroom of English Teacher in Primary School

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Keywords: Training Program Evaluation, Classroom Language, English Teacher in Primary Level, English Teacher Development Curriculum

This study has the purpose to follow up the result of training curriculum in using English in classroom of English Teacher in primary school, Nakorn Pathom, Thailand, in four aspects: school context, way and level of leading knowledge perceived from training application, problems and obstacles in leading knowledge from the training application, and recommendations for further training course arrangement. The employed population in this research was the twenty-eight English teachers in primary level schools, Nakorn Pathom, who participated in course training of using English in classroom. The tools applied in this research were interview, and questionnaire. The methodologies of data collection were collected by the travel to interview teachers of the schools performance. The data analysis by statistical methodologies were frequencies, percentage, mean, standard deviation and content analysis.The research results were found: firstly, the school context was found that the school had organized English teaching into two models, teaching English by following curriculum of the Educational Ministry and passing by long distance learning through satellite, it was dued to, mostly less of English teachers, so the class teachers had to teach English subject, which they didnt graduate major in English, but concentration on primary level, though they could teach all subjects, but they were not accurate in subject matter of using English in classroom, they were not dare to speak English in classroom, mistaking in speaking, but after the passed training, they were courage and confident more in using English in classroom, and had the positive attitude of using English that it was not so difficult in using English in classroom anymore; secondly, the way and level of leading knowledge perceived from training application. The participated teachers teaching English course in classroom had brought knowledge in various ways by instructing in classroom at the most, and teachers who passed training and leading knowledge from the training application in overall view was high level; thirdly, the problems and obstacles in leading knowledge from training application in classroom, were found that there were problem

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on teachers aspect that they had a lot of works, so they had less time to prepare lesson plan, phrases, sentences to use in classroom, and also on students problem, they had less English basic knowledge, especially, vocabulary, shying to speak English, hesitating to converse with teachers, teachers had to use English together with Thai, and using body language while teaching English to increase students perception more; and lastly, recommendations for next curriculum training are to increase more time for training, arranging training in other topics, concerning vocabulary about the things in classroom and activities accompanying with English usage - such as, musical activities and games.

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Guidelines to the Development of Gastronomy tourism in Thailand

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Keywords: Gastronomy Tourism, Thai Food for Tourism, Street food

This research aims to analyze the capability of gastronomy tourism in Thailand and present the guidelines to the development of gastronomy tourism in Thailand. This qualitative research with in-depth interview and documentary research. The instrument of research was semi-structural interview questions and check list form. The key informants of 25 stakeholders in gastronomy tourism. Later, the information obtained was broken down for content analysis. This research found that the gastronomy is very popular among tourists. The factors that trigger gastronomy are ”Push and Pull Factors”, where tourists travel to search for new unique type of food for their experience. The development of gastronomy in Thailand should focus on communication in foreign languages, especially English. The government and gastronomy business operators should cooperate well with each other to improve the quality of food and services. Thailand is a country with a unique food culture and variety of tastes in different area throughout the country. This could lead to the development of community and preserves the culture of food. Furthermore, it can bring great amount of income to them.

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TRACK B

ENGINEERING, TECHNOLOGY & APPLIED SCIENCES

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Blockchain Ledgers and Cryptocurrencies: Review and Taxonomy

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Keywords: Blockchain, Cryptocurrencies, Digital Transformation, Information Technology

Blockchain technologies are finding applications in all fields of science and finance. From banks and asset management companies to the healthcare and government sectors, the potential of the technology is being explored. The technology behind distributed ledgers is evolving and categorising blockchains is challenging. Similarly, the comparison between cryptocurrencies, blockchains best known application, is problematic. We combined a systematic literature review with in-depth interviews with experts in the field, and applied key network analysis to identify thematic clusters. This led to a proposal of a general blockchain taxonomy and a comparative framework for cryptocurrency blockchain applications.

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Use of Advanced Oxidation Process for the Removal of Herbicide as A Green Technology

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Keywords: Advanced Oxidation, Herbicide Green, Treatment

Herbicides have gained great interest among the various organic pollutants in water due to their toxicity, persistence, stability, and low biodegradability. Diphenamid is a broadly utilized acetanilide herbicide for controlling annual grasses and broadleaf weeds in ornamental plants. Therefore, an eco-friendly advanced oxidation process using FeIII impregnated N-doped TiO2/Na2SO3/visible LED have been adopted to abate the ubiquity of diphenamid herbicide in water resources. The proposed process exhibited a substantial efficiency for the diphenamid photodegradation and mineralization via generation of reactive SO4 and OH species. The diphenamid photodegradation efficiency was systematically examined under various reaction conditions. The role of reactive species in the photoreaction was confirmed by scavenging tests. Furthermore, the leaching of Fe ions from the catalyst surface to the bulk solution during the photocatalytic reaction was found negligible. In addition, the sulfite concentration was simultaneously depleted along with the diphenamid herbicide at the end of the reaction. Generally, the results revealed that the proposed process could be a green approach for the photodegradation of organic pollutants.

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TRACK C

MEDICAL MEDICINE AND HEALTH STUDY

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An Investigation of Rapid Office Strain Assessment Among Office Workers in Furniture Factory,Pathum Thani Province, Thailand

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Keywords: Rapid office strain assessment, Musculoskeletal Disorders, Office worker, Furniture Industry

This cross-sectional study was conducted with the purpose to assess the ergonomic risks among office workers in furniture factory, Pathum thani Province, Thailand. A self-questionnaire was used to determined personal and work information. Ergonomic risks assessment was done by using rapid office strain assessment (ROSA) checklist. A total number of 71 office workers was participated in this study. Data analysed by statistical package for social science software (SPSS). The result showed that most of office workers were female (56.30%) with approximately 40.13 years old. More than half of them (57.70%) graduated from bachelor degree. Most of them (35.20%) had Body Mass Index (BMI) at normal range. Half of them (59.20%) had no disease.Half of them (50.70%) usually do exercise.Most of them working as supervisor (32.40%) and 63.40 of them had work experience less than 20 years with approximately 12.90 years. Nearly all of them (77.50%) had work duration of 8 hours each day and All of them continuous work with computer more than 4 hours a day.According to ROSA analysis, It revealed that the ergonomics risks among office workers was at high level in the majority of them (38.03 %), followed by medium level, very high level and lower level were 32.39 %, 25.35 % and 4.23 %, respectively. Based on the study results, To reduce the risk of ergonomics, there should be ergonomics training for office workers to be aware of ergonomics risks in the their office and workstation need to be improved in term of ergonomics guideline

UP COMING EVENTS

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

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MISSION

To disseminate knowledge and help scholars, practitioners and administrators to promote the high quality research.