

## **2<sup>nd</sup> INTERNATIONAL CONFERENCE ON RECENT ADVANCEMENTS IN SCIENCE AND TECHNOLOGY 2019**

**28-30 October 2019**

**Palm Garden Hotel, Putrajaya**

**Day 1: 28 OCTOBER 2019, MONDAY**

TIME	PROGRAMME	VENUE
14.00-18.00	REGISTRATION	Grand Ballroom
END OF DAY 1		

**Day 2: 29 OCTOBER 2019, TUESDAY**

TIME	PROGRAMME	VENUE
08.00-08.45	REGISTRATION	Grand Ballroom
08.45-09.00	WELCOMING ADDRESS	Grand Ballroom
09.00-09.50	KEYNOTE SPEAKER 1 <i>Professor. Dato. Dr. Norbik Bashah Idris</i>	
09.50-10.00	PHOTO SESSION	
10.00-10.30	COFFEE BREAK	Grand Ballroom
10.30-11.20	KEYNOTE SPEAKER 2 <i>Professo.r Dr. Jason P. Hallett</i>	Grand Ballroom
	PARALLEL SESSION 1	

	<b>International Conference on Information Systems &amp; Security (ICOISS)</b>  <b>Venue:</b> <b>Session Chair:</b> <b>Assoc. Prof. Dr. Najwa Hayaati Mohd Alwi</b>  <b>Time keeper: Ahmad Farid Jamal</b>	<b>International Conference on Food and Biotechnology (ICFB)</b>  <b>Venue:</b> <b>Session Chair:</b> <b>Dr. Nur Zazarina Binti Ramly</b>	<b>International Symposium on Industrial Chemistry and Chemical Technology (ISICCT)</b>  <b>Venue:</b> <b>Session Chair:</b> <b>Dr. Lailatun Nazirah Ozair</b>  <b>Time keeper:</b> <b>Dr. Shikh Mohd Shahrul Nizan Shikh Zahari</b>	<b>International Symposium on Recent Advancement on Applied Physics (ISRAAP)</b>  <b>Venue:</b> <b>Session Chair:</b> <b>Dr. Sofina Tamam</b>  <b>Time keeper:</b> <b>Dr. Nur Athirah Mohd Taib</b>	<b>International Symposium on Applied Mathematics &amp; in Actuarial Science, Financial Mathematics &amp; Risk Management (ISAM)</b>  <b>Venue:</b> <b>Session Chair: Dr. Hishamuddin Abdul Wahab</b>	
11.30-12.00	<b>INVITED SPEAKER</b> Paper ID: (85)  PSNR Estimator for the Least Significant Bit Audio Steganography Method  <i>Muhammad Harith Noor Azam <b>Farida Ridzuan</b>*, M Norazizi Sham Mohd Sayuti</i>  <i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i>	<b>INVITED SPEAKER</b> Paper ID: (56)  Characterization of Hazelnut Oil Extracted by Ultrasound Assisted Solvent Extraction  <i><b>Chin Hong Geow, Mei Ching Tan &amp; Nyuk Ling Chin</b></i>  <i><b>UCSI University &amp; Universiti Putra Malaysia (UPM), MALAYSIA</b></i>	<b>INVITED SPEAKER</b> Paper ID: (62)  The Effects of The Melastomataceae Species (M. Malabathricum, M. Hirta, and M. Decemfidum) on Antioxidant and Antibacterial Properties  <i><b>Siti Salwa Abd Gani*</b></i>  <i>Universiti Putra Malaysia, (UPM) MALAYSIA</i>	<b>INVITED SPEAKER</b> Paper ID: (122)  Effects of Heat-Treatment on Acoustic Properties of Ag NPs Embedded in Lithium Niobate Tellurite Glass  <i><b>Nurhafizah Hasim*</b></i>  <i>Universiti Teknologi Malaysia (UTM), MALAYSIA</i>	<b>INVITED SPEAKER</b> Paper ID: (104)  A Three-Point Block Method for Approximating Dung Type Differential Equations  <i>Ahmad Fadly Nurullah Rasedee, <b>Mohammad Hasan Abdul Sathar*</b>, Siti Munirah Mohd, Nurhidaya Mohamad Jan, Norizarina Ishak and Siti Raihana Hamzah</i>  <i>Universiti Putra Malaysia (UPM), MALAYSIA</i>	
12.00-12.15	Paper ID: (72)  Assessment of Malaysian E-Passport PKI Based on ISO 27000 Series International Standards	Paper ID: (67)  Effect of Calcium Chloride Treatment by Vacuum Infiltration Method on Texture and Shelf Life of Black Cherry Tomato (cv. 'OG')	Paper ID: (82)  Synthesis and Characterization of 4-Chlorophenylacetic Acid Herbicide Intercalated with Calcium-Aluminium Layered Double	Paper ID: (87)  Propagating Surface Plasmons using Os-ZnO Hybrid Thin Films Based on Kretschmann Coupling Configuration	Paper ID: (65)  Analysis on the Financial Performance of Technology Companies in Malaysia with Fuzzy VIKOR Model	

	<p><b>Ahmad Iqbal Hakim bin Suhaimi*</b>, Nurulhuda Noordin, Mohd Faizul bin Ya'kub</p> <p><i>Universiti Teknologi MARA (UiTM), MALAYSIA</i></p>	<p><b>Ho Thi Ngan Ha, Tran Thanh Qui, Nguyen Tri Tin &amp; Nguyen Minh Thuy</b></p> <p><b>An Giang University, Viet Nam &amp; Can Tho University, VIETNAM</b></p>	<p>Hydroxide through of Co-Precipitation Method</p> <p><b>Muhammad Alinsan KamilMukamil Hamzah*</b></p> <p><i>Universiti Teknologi MARA (UiTM), MALAYSIA</i></p>	<p><b>Wan Maisarah Mukhtar*</b>, Nurul Diyanah Samsuri, Azman Mohd Halim, Nur Athirah Mohd Taib &amp; Affa Rozana Abdul Rashid</p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>	<p>Lam Weng Siew, <b>Liew Kah Fai*</b> and Lam Weng Hoe</p> <p><i>Universiti Tunku Abdul Rahman (UTAR), MALAYSIA</i></p>	
12.15-12.30	<p>Paper ID: (123)</p> <p>Implementing Location-Based Cryptography on Mobile Application Design To Secure Data In Cloud Storage</p> <p><b>Nur Syafiqah Mohd Shamsuddin*</b>, Sakinah Ali Pitchay</p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>	<p>Paper ID: (69)</p> <p>Identification and Characterization of Yeast Isolates from Maprang (<i>Bouea macrophylla Griffith</i>) Growing in Vietnam</p> <p><b>Nguyen Minh Thuy, Thanh Van Nguyen, Tai Van Ngo &amp; Ly Thi Truc Nguyen</b></p> <p><i>Can Tho University, VIETNAM</i></p>	<p>Paper ID: (162)</p> <p>Synthesis and application of novel composite coagulant aid (SSG-S) from rice starch and Sesbania Seed Gum (SSG) for water treatment.</p> <p><b>Siong-Chin Chua*</b></p> <p><i>Universiti Teknologi PETRONAS, MALAYSIA</i></p>	<p>Paper ID: (164)</p> <p>Preparation and Characterisation of Polyaniline Emeraldine Base (PANI-EB) Using Langmuir- Blodgett Technique</p> <p><b>Siti Amira Othman* &amp; Shahidan Radiman</b></p> <p><i>Universiti Tun Hussein Onn, MALAYSIA</i></p>	<p>Paper ID: (73)</p> <p>Optimization on the Financial Management of Telecommunication Companies with Goal Programming Model</p> <p>Lam Weng Siew, Chen Jia Wai1, Lam Weng Hoe and <b>Mohd Abidin Bin Bakar*</b></p> <p><i>Universiti Tunku Abdul Rahman (UTAR), MALAYSIA</i></p>	
12.30-12.45	<p>Paper ID: (151)</p> <p>An Early Warning System for Reservoir Water Release Operation Using Agent Based Negative Selection Model</p> <p><b>Siti Mazura Che Doi*</b> Norita Md Norwawi, Roesnita Ismail</p>	<p>Paper ID: (70)</p> <p>Effects of Drying Methods on the Characteristic of Oyster Mushrooms <i>Pleurotus sajor-caju</i></p> <p><b>Nguyen Thi Ngoc Giang</b></p> <p><i>Can Tho University, VIETNAM</i></p>			<p>Paper ID: (156)</p> <p>A Hybrid Approach of Mathematical Optimization for Multi-Objective Decision Making Model of Islamic Banking</p> <p><b>Karmila Hanim Kamil*</b>, Shahida Shahimi and Abdul Ghafar Ismail</p>	

	Universiti Sains Islam Malaysia (USIM), MALAYSIA				Universiti Sains Islam Malaysia (USIM), MALAYSIA	
12.45-14.00	LUNCH & SOLAT					
PARALLEL SESSION 2						
TIME	<b>International Conference on Information Systems &amp; Security (ICOISS)</b>  <b>Venue:</b> <b>Session Chair:</b> <b>Dr. Farida Hazwani</b>	<b>International Conference on Food and Biotechnology (ICFB)</b>  <b>Venue:</b> <b>Session Chair:</b> <b>Dr. Norlelawati Ariffin</b>	<b>International Symposium on Industrial Chemistry and Chemical Technology (ISICCT)</b>  <b>Venue:</b> <b>Session Chair:</b> <b>Assoc. Prof. Dr. Salina Mat Radzi</b>  <b>Time keeper:</b> <b>Dr. Syaza Azhari</b>	<b>International Symposium on Recent Advancement on Applied Physics (ISRAAP)</b>  <b>Venue:</b> <b>Session Chair:</b> <b>Dr. Wan Maisarah Mukhtar</b>  <b>Time keeper:</b> <b>Dr. Affa Rozana Abdul Rashid</b>	<b>International Symposium on Applied Mathematics &amp; in Actuarial Science, Financial Mathematics &amp; Risk Management (ISAM)</b>  <b>Venue:</b> <b>Session Chair:</b> <b>Dr. Norhana Abd. Rahim</b>	
14.00-14.30	<b>INVITED SPEAKER</b> Paper ID: (97)  Systematic Literature Review of Information Security Compliance Behaviour Theories  <i>Puspadevi Kuppusamy, <b>Ganthan Narayana Samya*</b>, Nurazean Maaropa, Pritheega Magalingama and Norshaliza Kamaruddina, Bharanidharan Shanmugamb and Sundresan Perumalc</i>  <i>Universiti Teknologi Malaysia (UTM), MALAYSIA</i>	<b>INVITED SPEAKER</b> Paper ID: (71)  Functional Edible Coatings for Dried Guava ( <i>Psidium guajava</i> L.) slices  <i><b>Pui Khoon Hong*</b></i>  <i>Universiti Malaysia Pahang (UMP), MALAYSIA</i>	<b>INVITED SPEAKER</b> Paper ID: (83)  Synthesis and Characterization of 2,4-Dichlorophenoxyacetic Acid Interleaved with Calcium-Aluminium Layered Double Hydroxide by Comparison of Co-Precipitation and Ion-Exchange Method  <i><b>Sheikh Ahmad Izaddin Sheikh Mohd Ghazali*</b></i>  <i>Universiti Teknologi MARA (UiTM), MALAYSIA</i>	<b>INVITED SPEAKER</b> Paper ID: (154)  CT-MRI Dual Information Registration for Diagnosis of Liver Cancer: A Pilot Study Using Point-Based Registration  <i><b>Azira KhalilI*</b>, Aisyah Mohd Rahimi &amp; Khin Wee Lai</i>  <i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i>	<b>INVITED SPEAKER</b> Paper ID: (90)  Analysis of Mortality Improvement on the Pension Cost due to Ageing Population  <b>Rose Irnawaty Ibrahim*</b> & Norazmir Mohd Nordin  <i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i>	

14.30-14.45	<p>Paper ID: (86)</p> <p>Graph Analysis Discovery of A City Bus Transit Network</p> <p><i>Atiqur S.M. Rahman, Priitheega Magalingam*, Norshaliza Binti Kamaruddin, Ganthan Narayana Samy, Nurazeen Maarop, Sundaresan Perumal</i></p> <p><i>Universiti Teknologi Malaysia (UTM), MALAYSIA</i></p>	<p>In Vitro Antimicrobial Activity of Products Produced from <i>Pouzolzia zeylanica</i> Plants Growing in Vietnam</p> <p><b>Tan Duy Nguyen*</b>, Tuyen Thi Xuan Vo &amp; Thuy Minh Nguyen</p> <p><i>An Giang University, Viet Nam &amp; Can Tho University, VIETNAM</i></p>	<p>Hydrothermal Liquefaction of an Industrial Biomass Waste: Brewer's Spent Grain (BSG)</p> <p><b>Nur Atiqah Nasir*</b></p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>	<p>Paper ID: (133)</p> <p>The Effect of Sintering Temperature and Synthesis Method on Raman Spectra and Magnetic Properties of Manganese Zinc Ferrite</p> <p><b>Poppy Puspitasari*</b>, Avita Ayu Permanasari, Shikh Mohd. Shahrul Nizan Shikh Zahari, Ahmad Taufiq &amp; Aripriharta</p> <p><i>Universitas Negeri Malang, INDONESIA</i></p>	<p>Paper ID: (159)</p> <p>Analysis on i-Suri Savings Benefit among Housewives in Malaysia</p> <p><b>Mazlynda Md Yusuf*</b> &amp; Nor Iman Saleha Jurami</p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>	
14.45-15.00	<p>Paper ID: (158)</p> <p>The Influence of Security Control Management and Social Factors in Deterring Information Security Misbehaviour: An Empirical Evidence of SaaS Cloud Users</p> <p><i>Hanifah Abdul Hamid, Nuradli Ridzwan Shah Mohd Dali</i></p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>	<p>Paper ID: (77)</p> <p>Sensory Attributes of Local Indonesian Coffee: Insights for Determining the Roasting Level and Brewing Technique</p> <p><b>Anandya Vanessa Isnidayu*</b>, Anggoro Cahyo Sukartiko, Makhmudun Ainuri</p> <p><i>Universitas Gadjah Mada, Yogyakarta, INDONESIA</i></p>	<p>Paper ID: (xx)</p> <p>Uncatalysed Polycondensation Of Lactic Acid To Polylactic Acid Under Microwave Irradiation: Effect Of Microwave Power</p> <p><b>S. M. Shahrul Nizan Shikh Zahari*</b></p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>	<p>Paper ID: (147)</p> <p>Effect of Temperature on the Properties of Poly(vinylpyrrolidone)-Iron Magnetic Nanocomposite for Oil Recovery</p> <p><i>Muhammad Syafiq Aiman Abd Rahman, Noor Farah Nazirah Norsamsuddin, Nurul Hafizah Muhamad Tajuddin, SM Shahrul Nizan Shikh Zahari &amp; Sofina Tamam*</i></p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>	<p>Paper ID: (131)</p> <p>The Multiscale Exchange Rate Exposure of Food and Beverage Firms in Malaysia: An Application of Wavelet Technique</p> <p><b>Hishamuddin Abdul Wahab*</b>, Wan Nurhanan Wan Suhaimi and Amin Al Haadi Shafie</p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>	
15.00-15.15	<p>Paper ID: (99)</p> <p>Identification of Information Security Threats Using Data Mining Approach in</p>	<p>Paper ID: (78)</p> <p>Comparison of Egg and Tempeh Protein Hydrolysate as Binders on Physico-Chemical and</p>			<p>Paper ID: (132)</p> <p>Investigating the Influence of Shariah Compliance on the Level of Currency</p>	

	<p>University Information System</p> <p><i>Norkhushaini Awanga, <b>Ganthan Narayana Samya*</b>, Noor Hafizah Hassana, Nurazeen Maaropa, Pritheega Magalingama and Norshaliza Kamaruddina</i></p> <p><i>Universiti Teknologi Malaysia (UTM), MALAYSIA</i></p>	<p>Sensorial Properties of Meatball</p> <p><i><b>Wan Saidatul Syida Wan Kamarudin*</b>, Noriham Abdullah, Normah Ismail &amp; Mohamad Yusuf Maskat</i></p> <p><i><b>Universiti Teknologi MARA Shah Alam (UITM) &amp; Universiti Kebangsaan</b></i></p>			<p>Exposure Across Time Scales: An Application of Wavelet Approach</p> <p><i><b>Hishamuddin Abdul Wahab*</b></i></p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>	
15.15-15.30		<p>Paper ID: (80)</p> <p>Quality Evaluation of Imitation Chicken Nuggets from Grey Oyster Mushroom Stem and Chickpea Flour</p> <p><i><b>Hazwani Husain*</b> &amp; Nur Huda Faujan</i></p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>				
15.30-15.45	BREAK					
CONTINUE PARALLEL SESSION 2						
	<p><b>International Conference on Information Systems &amp; Security (ICOISS)</b></p> <p><b>Venue:</b> <b>Session Chair: Dr. Hanifah Abdul Hamid</b></p>	<p><b>International Conference on Food and Biotechnology (ICFB)</b></p> <p><b>Venue:</b> <b>Session Chair: Dr. Nur Zazarina Ramly</b></p>	<p><b>International Conference on Food and Biotechnology (ICFB)</b></p> <p><b>Venue:</b> <b>Session Chair: Dr. Norlelawati Ariffin</b></p>			

15.45-16.00	<p>Paper ID: (113)</p> <p>A Suggestive and Personalised Educational Instructional Model (SPEIM); A relationship model for productive learner's engagement</p> <p><b>Ahmad Farid Mohd Jamal*</b>, Najwa Hayaati Mohd Alwi, Rozhan Mohammed Idrus</p> <p>Universiti Sains Islam Malaysia (USIM), MALAYSIA</p>	<p>Paper ID: (84)</p> <p>DNA Barcoding of Common Malaysian Spiders using Cytochrome Oxidase I (COI) Gene</p> <p><b>Johan Ariff Mohtar*</b></p> <p>Universiti Malaysia Perlis (UNIMAP)* &amp; Perbadanan Bekalan Air Pulau Pinang Sdn. Bhd</p>	<p>Paper ID: (124)</p> <p>Effect of Compression on Mechanical Property of Ready-to-Eat (RTE) Spinach varieties</p> <p><b>Siti Hajar Ariffin</b></p> <p>Universiti of Birmingham, UNITED KINGDOM* &amp; Universiti Putra Malaysia (UPM), MALAYSIA</p>			
16.00-16.15	<p>Paper ID: (116)</p> <p>Comparative Study of Icon Designs for Mobile Application</p> <p><b>Nor Azura Kamarulzaman*</b>, Norasikin Fabil, Zulkifly Mohd Zaki, Roesnita Ismail</p> <p>Universiti Sains Islam Malaysia (USIM), MALAYSIA</p>	<p>Paper ID: (89)</p> <p>Using Microsatellite Markers for the Molecular Characterization of Potentially Commercial Mango (<i>Mangifera indica</i>) Progenies</p> <p><b>Shahril Ab Razak*</b></p> <p>MARDI, MALAYSIA</p>	<p>Paper ID: (130)</p> <p>Identification of <i>Klebsiella pneumoniae</i> Bacterial Contamination in Street Foods Using Modification of Simple Medium and API-20E Analytical System</p> <p><b>Tri Yahya Budiarto</b></p> <p>Universitas Kristen Duta Wacana, Yogyakarta, INDONESIA</p>			
16.15-16.30		<p>Paper ID: (102)</p> <p>Discovery of Simple Sequence Repeat Markers via Transcriptome Sequencing of <i>Lepisanthes fruticosa</i> (Ceri Terangganu) Leaf</p> <p><b>Zulkifli Ahmad Seman*</b></p>	<p>Paper ID: (145)</p> <p>Isolation and Identification of Lactic Acid Bacteria with Antibacteria Potential from Pickled Cucumber</p> <p><b>Charis Amarantini</b></p>			

		<i>MARDI, MALAYSIA</i>	<i>Universitas Kristen Duta Wacana, Yogyakarta, INDONESIA</i>			
16.30-16.45		<p>Paper ID: (102)</p> <p>Discovery of Simple Sequence Repeat Markers via Transcriptome Sequencing of <i>Lepisanthes fruticosa</i> (Ceri Terangganu) Leaf</p> <p><b>Zulkifli Ahmad Seman*</b></p> <p><i>MARDI, MALAYSIA</i></p>	<p>Paper ID: (145)</p> <p>Isolation and Identification of Lactic Acid Bacteria with Antibacteria Potential from Pickled Cucumber</p> <p><b>Charis Amarantini</b></p> <p><i>Universitas Kristen Duta Wacana, Yogyakarta, INDONESIA</i></p>			
16.45-17.00		<p>Paper ID: (120)</p> <p>Technological Properties of Antimicrobial Producing Lactic Acid Bacteria Isolated from Dairy Products and Raw Milks of Sabah (Northern Borneo), Malaysia</p> <p><b>Melissa Elsie Kasimin*, Roslina Jawan, Ainol Azifa Mohd. Faik, Sahar Abbasiliasi, Arbakariya Ariff</b></p> <p><i>Universiti Malaysia Sabah (UMS) &amp; Universiti Putra Malaysia (UPM), MALAYSIA</i></p>	<p>Paper ID: (155)</p> <p>Texture Analysis of (<i>Averrhoa carambola</i>) Chips Pre-treated with Glucose Syrup and Osmotic dehydration</p> <p><b>Siti Radhiah Omar, Syafiqah Abdul Razak, Nur Zazarina Ramly</b></p> <p><i>Universiti Sains Islam Malaysia (USIM), MALAYSIA</i></p>			
END OF DAY 2						



**Day 3: 30 OCTOBER 2019, WEDNESDAY**

TIME	PROGRAMME	VENUE
9.00 -10.30	<b>Workshop: Writing and publishing in ISI/Scopus Indexed Journals</b>	
10.30-11.00	<b>BREAK</b>	
11.00-12.30	<b>Workshop (Continue) Writing and publishing in ISI/Scopus Indexed Journals</b>	
	<b>LUNCH</b>	
<b>END OF CONFERENCE</b>		