

Congress Program

International Fundamental Science Congress 2018 (iFSC2018) 23rd – 24th October 2018

23rd October 2018 (Tuesday) – Day 1

Time	Event	Venue
08:00 – 09:00	Registration	Lobby
09:00 – 10:40	Invited Speech & Parallel Session 1A - Biology Invited Speech & Parallel Session 1B - Chemistry Invited Speech & Parallel Session 1C - Mathematics Invited Speech & Parallel Session 1D - Physics	Titan 1 Titan 2 Ballroom Titan 3
10:40 – 11:00	Refreshment	
11:00 – 12:00	Keynote Address: Prof. Dr. Lilia Halim <i>STEM Education: Issues and Way Forward</i>	Ballroom
12:00 – 13:00	Opening Ceremony Group Photography	Ballroom
13:00 – 14:15	Poster Session: Biology/Chemistry/Mathematics/Physics	
	Lunch	Jupiter Cafe
14:15 – 15:00	Parallel Session 2A - Mathematics Parallel Session 2B - Chemistry Parallel Session 2C - Mathematics Parallel Session 2D - Physics	Titan 1 Titan 2 Ballroom Titan 3
15:00 – 15:30	Plenary Speech Biology: Prof. Dr. Rusea Go Chemistry: Prof. Dr. Jose Rajan Mathematics: Assoc. Prof. Dr. Norma Alias Physics: Dr. Rezal Khairi Ahmad	Titan 1 Titan 2 Ballroom Titan 3
15:30 – 15:45	Refreshment	
15:45 – 17:30	Parallel Session 3A - Biology Parallel Session 3B - Chemistry Parallel Session 3C - Mathematics Parallel Session 3D - Physics	Titan 1 Titan 2 Ballroom Titan 3

24th October 2018 (Wednesday) – Day 2

Time	Event	Venue
08:30 – 10:15	Parallel Session 4A - Mathematics Parallel Session 4B - Chemistry Parallel Session 4C - Mathematics Parallel Session 4D - Physics	Titan 1 Titan 2 Ballroom Titan 3
10:15 – 10:30	Refreshment	
10:30 – 13:00	Parallel Session 5A - Biology Parallel Session 5B - Chemistry Parallel Session 5C - Mathematics Parallel Session 5D - Physics	Titan 1 Titan 2 Ballroom Titan 3
13:00 – 14:15	Lunch	
14:15 – 15:40	Invited Speech & Parallel Session 6A - Biology Invited Speech & Parallel Session 6B - Chemistry Invited Speech & Parallel Session 6C - Mathematics Invited Speech & Parallel Session 6D - Physics	Titan 1 Titan 2 Ballroom Titan 3
15:40 – 16:00	Refreshment	
16:00 – 17:00	Parallel Session 7B - Chemistry Parallel Session 7C - Mathematics Parallel Session 7D - Physics	Titan 2 Ballroom Titan 3
17:00 – 17:30	Closing Ceremony	Ballroom

Congress Program – Main Event

OPENING CEREMONY 23rd October 2018

12:00	Arrival of VIP and Guests
12:10	Doa Recital
12:15	Welcoming Address by Prof. Dr. Adem Kilicman <i>Congress Chairman</i>
12:30	Officiating Speech by Prof. Datin Paduka Dr. Aini Ideris <i>Vice Chancellor, Universiti Putra Malaysia</i>
12:40	Group Photography
13:00	Lunch

BIOLOGY

**BIOLOGY ORAL PRESENTATION
DAY 1 - 23rd OCTOBER 2018**

**Invited Speech & Parallel Session 1A
Venue : Titan 1
Chairperson : Miss Nur Syuhada Rosli**

Time	Title/Author(s)	Code ID
09:00 – 09:20	INVITED SPEAKER 1 Prof. Dr. Ahmad Ismail (UPM) <i>Issues and Challenges in Science for Conservation</i>	
09:20 – 09:40	INVITED SPEAKER 2 Assoc. Prof. Dr. Salmah Yaakop (UKM) <i>New Insight on DNA Barcoding Data, Phylogeny and Evolution on Various Significant Insects Species from Malaysia</i>	
09:40 – 09:55	Ethnomedical Survey of Plants used by the Batek Tribe in Kuala Koh, Gua Musang, Kelantan <i>Ikhwanuddin M. E. M., Rosimah. N., K. Shamsul and Rusea. Go</i>	BIO-1213
09:55 – 10:10	Anurans Assemblages and Time of Activity at Compartment 14 of Ayer Hitam Forest Reserve, Puchong, Selangor <i>Nur Sa'adah Mazlan, Mohd Faris Rabbani Subari @ Subiyri, Nadia Simon, Muhammad Faris Abdul Aziz and Marina Mohd. Top @ Mohd. Tah</i>	BIO-5578
10:10 – 10:25	Live Trap and Camera Trap Assessment of Ground-Dwelling Mammals in Ayer Hitam Forest Reserve, Puchong Selangor <i>Mohd Faris Rabbani Subari @ Subiyri, Nur Sa'adah Mazlan and Marina Mohd. Top @ Mohd. Tah</i>	BIO-7765
10:25 – 10:40	Impact of Environmental Intervention Strategy on Microbial Pollutants in Effluents Discharged by Some Cattle Abattoirs in Malaysia <i>Adamu Muhammed Tukur, Shamsul Bahri MD Tamrin, M. N Desa and S. K Bejo</i>	BIO-1908

10:40 – 11:00 : Refreshment

TIME	Venue: Ballroom Chairperson: Prof. Dr. Noor Akma Ibrahim
11:00 – 12:00	KEYNOTE ADDRESS Prof. Dr. Lilia Halim (UKM) <i>STEM Education: Issues and Way Forward</i>

12:00 – 13:00 : Opening Ceremony & Group Photography

13:00 – 14:15 : Poster Session/Lunch

14:15 – 15:00 : Chemistry/Mathematics/Physics Parallel Session

TIME	Venue: Titan 1 Chairperson: Miss Nur Saadah Mazlan
15:00 – 15:30	PLENARY SPEECH Prof. Dr. Rusea Go <i>Malaysian Orchids: Splendor, Dilemma, Welfare and Prospective</i>

15:30 – 15:45 : Refreshment

Parallel Session 3A
Venue : Titan 1
Chairperson : Miss Nur Saadah Binti Mazlan

Time	Title/Author(s)	Code ID
15:45 – 16:00	Concentrations of Copper in <i>Amaranthus Viridis</i> and their Habitat Topsoils Collected from Selected Farming Areas in Peninsular Malaysia <i>Aziran Yaacob, Chee Kong Yap, Rosimah Nulit and Hishamuddin Omar</i>	BIO-9375
16:00 – 16:15	Studies on the Toxicities on Earthworm (<i>Lumbricus Terrestris</i>) of Some Agrochemicals Widely used in Azare, Nigeria <i>Aliyu Abdulhamid Omar, Suwaiba Hussaini, Auwal Alhassan Barde and Gloria N. Joseph</i>	BIO-5642

Time	Title/Author(s)	Code ID
16:15 – 16:30	The Impact of Unsustainable Human Activities on Water Quality of the Lower River Niger, Nigeria <i>Hussein Aliu Sule, Bolaji Aledare Matthew and Leonard Omachoko Abuh</i>	BIO-1911
16:30 – 16:45	Human Health Risk Assessment of Heavy Metals in Water Spinach (<i>Ipomoea Aquatica</i>) from Negeri Sembilan <i>Koe Wei Wong, Chee Kong Yap, Rosimah Nulit, Hishamuddin Omar and Ahmad Zaharin Aris</i>	BIO-2016
16:45 – 17:00	A Review on Uses of Microorganisms in Bioremediation of Waste Effluent of Pulp and Paper Industry <i>Muhammed Tukur Adamu</i>	BIO-2592
17:00 – 17:15	The Comparison between Index of Atmospheric Purity (IAP) of A Forested and Open Sites in Kedah, Malaysia <i>Nur Syuhada Rosli, Nur Amalina Zaharudin and Shahrizim Zulkifly</i>	BIO-5928
17:15 – 17:30	Growth, Leaf Gas Exchange and Secondary Metabolites of <i>Orthosiphon stamineus</i> as Affected by Multiwall Carbon Nanotubes Application <i>Ayu Izera Izad, Mohd Hafiz Ibrahim, Che Azurahanim Che Abdullah and Nurul Amalina Mohd Zain</i>	BIO-7153

**BIOLOGY ORAL PRESENTATION
DAY 2 - 24th OCTOBER 2018**

08:30 – 10:15 : Chemistry/Mathematics/Physics Parallel Session

10:15 – 10:30 : Refreshment

Parallel Session 5A

Venue : Titan 1

Chairperson : Mrs. Mona Fatin Syazwanee Mohamed Ghazali

Time	Title/Author(s)	Code ID
10:30 – 10:45	Indigenous Bacteria as Bioremediation Agent of Sugar Organic Industrial Waste Water <i>Nurul Mutmainnah, Asus Maizar S. H. and Mulyanto</i>	BIO-2418
10:45 – 11:00	Water Quality Influence Fish Occurrence and Bacterial Presence in the Lower River Niger, Nigeria <i>Hussein Aliu Sule, Bolaji Aledare Matthew and Stephen Onojo Idachaba</i>	BIO-2677
11:00 – 11:15	Biodegradation of Phenol by Free Cells of Locally Isolated Bacteria <i>Abubakar Aisami, Siti Aqlima Ahmad, Nur Adeela Yasid, Wan Lufti Wan Johari and Mohd Yunus Shukor</i>	BIO-5418
11:15 – 11:30	Antibacterial Evaluation of <i>Moringa Oleifera</i> Lam. Against Enteric Bacterial Pathogens in Kano City, Nigeria <i>A. S. Zaharau, A. A. Musa and Idris Shehu</i>	BIO-3362
11:30 – 11:45	An <i>In-Vitro</i> Antibacterial Assessment of Fluoridated and Probiotic Toothpaste Effects on Viridans Group Streptococci <i>A. Siti Noor Adnalizawati, F. Octavianti, M. N. M. Suhor and A. R. S. Anuar</i>	BIO-4213
11:45 – 12:00	Nutrient Contents and Antioxidant Level of Vermitea-Hydroponic Kailan <i>Musdaalifaah Sha An Ali, Nor Azwady Abd. Aziz, Mulyani Muhamad Effendi, and Hishamuddin Omar</i>	BIO-5968

Time	Title/Author(s)	Code ID
12:00 – 12:15	Prevalence of Intestinal Helminth Parasites in <i>Clarias Gariepinus</i> and <i>Heterotis Niloticus</i> Found in Marma Water Channel along River Hadejia, Jigawa Nigeria <i>N. M. Danyaro, H. I. Miga and A. H Bichi</i>	BIO-1101
12:15 – 12:30	Standardization and Antibacterial Activity of <i>Persicaria Minor</i> Huds. Against Enteric Bacterial Pathogens in Johor, Malaysia <i>Musa Ahmed Abubakar, Razauden Mohamed Zulkifli and Musa Hassan Muhammad</i>	BIO-7156
12:30 – 12:45	Intestinal Infection among Primary School Children in Dawakin-Kudu Local Government Area Kano State- Nigeria <i>Dauda Yusuf Tofa</i>	BIO-8384
12:45 – 13:00	Phytochemical Analysis and Antibacterial Evaluation of <i>Moringa Oleifera</i> Lam. Against Enteric Bacterial Pathogens in Kano, Nigeria <i>A. S. Zahara'u, A. A. Musa and Idris Shehu</i>	BIO-9316

13:00 – 14:15 : Lunch

Invited Speech & Parallel Session 6A
Venue : Titan 1
Chairperson : Miss Nur Syuhada Rosli

Time	Title/Author(s)	Code ID
14:15 – 14:35	INVITED SPEAKER 3 Dr. Noraini Samat (MARDI) <i>Enhancement Phytase Efficacy in Poultry by Dietary Fat Supplementation</i>	
14:35 – 14:55	INVITED SPEAKER 4 Prof. Dr. Shahrul Hisham Zainal Ariffin (UKM) <i>Molecular and Dental Radiographical Analyses of Ancient Human from Pulau Kelumpang and Dungun</i>	

Time	Title/Author(s)	Code ID
14:55 – 15:10	Phytochemical Analysis of <i>Boswellia Dalzielii</i> Ethanolic Stem Bark Extract <i>T. I. Maimuna</i>	BIO-7329
15:10 – 15:25	Optimization of Simultaneous Saccharification and Fermentation (SSF) Set-Up for Bioethanol Production using <i>Trichoderma Asperellum</i> B1581 via Response Surface Methodology (RSM) <i>Mona Fatin Syazwanee Mohamed Ghazali, Nur Ain Izzati Mohd Zainudin, Nor Azwady Abd Aziz and Muskhazli Mustafa</i>	BIO-4271
15:25 – 15:40	Functional Characterization of a Δ^9- Fatty Acid Desaturase from a Cold-Tolerant <i>Pseudomonas</i> Sp. AMS8 <i>Garba Lawal, Mohd Shukuri Mohamad Ali, Siti Nurbaya Oslan and Raja Noor Zaliha Raja Abdul Rahman</i>	BIO-6683

15:40 – 16:00 : Refreshment

16:00 – 17:00 : Chemistry/Mathematics/Physics Parallel Session

17:00 – 17:30 : Closing Ceremony

BIOLOGY POSTER PRESENTATION

No.	Title	Code ID
1	Thiourea Influence on Growth Characteristics of Salt Affected Rice (<i>Oryza sativa</i> L.) Cultivars <i>Syeda Maasooma Zahra, Abdul Wahid, Nazimah Maqbool and Mohd Hafiz Ibrahim</i>	BIO-1151
2	Seasonal Influence on Diversity of Phytoplankton at Putrajaya Lake and Wetland <i>N. S. Mohd Sabkie and S. Zulkifly</i>	BIO-2443
3	Interaction between Total Phenolics, Flavonoids, Leaf Gas Exchange and Soluble Sugar Production under Potassium Fertilization in <i>Elaeis Guineensis</i> Jacq. Seedlings <i>Mohd Hafiz Ibrahim, Tuan Sharifah Najihah, Rosimah Nulit, Puteri Edorayati Megat Wahab and Nurul Amalina Mohd Zain</i>	BIO-5871
4	Tracing Temporal Historical Demographic of Cod Species during Pleistocene Epoch by Whole Genome Sequences <i>Nadiatul. H H, Suda. A, Makino. M and Kawata. M</i>	BIO-6173
5	Habitat Characteristics of Giant Freshwater Prawn <i>Macrobrachium Rosenbergii</i> (DE MAN 1897) in The Kemana River, Bintulu, Sarawak <i>Abu Hena M K, Ismail J, Danil N A, Kumar, Nesarul M H, Idris M H and Hamli H</i>	BIO-6235
6	Comparison of Chalcone Synthase (<i>CHS</i>) Transcripts Isolated from <i>Brassica Oleraceae</i> Var <i>Capitata</i> (Red Cabbage) and <i>B. Rapa</i> Ssp <i>Chinensis</i> (Bok Choy) <i>Christina Seok Yien Yong and Mohd Nor Hafiz Mohd Sahfani</i>	BIO-7246
7	Impact of Temperatures on Oil Palm Seedlings (<i>Elaeis Guineensis</i> Jacq.) Leaf Gas Exchange Properties <i>Mohd Hafiz Ibrahim, Tuan Sharifah Najiha, Rosimah Nulit, Puteri Edorayati Megat Wahab and Nurul Amalina Mohd Zain</i>	BIO-7387

No.	Title	Code ID
8	Age Estimation using Human Dental Pulp Cavity based on Cameriere's Approach <i>Rus Dina Rus Din, Siti Nur Zahidah Zahari, Liew Yi Ying, Rohaya Megat Abdul Wahab and Shahrul Hisham Zainal Ariffin</i>	BIO-7586
9	Effect of Different Culture Conditions on Morphological and Biochemical Content of <i>Chlorella Zofingensis</i> <i>Siti Nor Ani Azaman, Norio Nagao, Fatimah Md Yusoff, and Swee Keong Yeap</i>	BIO-7592

CHEMISTRY

**CHEMISTRY ORAL PRESENTATION
DAY 1 - 23rd OCTOBER 2018**

**Invited Speech & Parallel Session 1B
Venue : Titan 2
Chairperson : Prof. Dr. Khozirah Shaari**

Time	Title/Author(s)	Code ID
09:00 – 09:20	INVITED SPEAKER 1 Dr. Jaafar Abdullah (UPM) <i>Laccase Biosensor based on Graphene-gold/Chitosan Nanocomposite for the Determination of Bisphenol A</i>	
09:20 – 09:40	INVITED SPEAKER 2 Dr. Mohd Hasmizam Razali (UMT) <i>Sol-gel Synthesis and Characterization of TiO₂ Nanoparticles Photocatalyst for Methylene Blue Dye Degradation</i>	
09:40 – 09:55	New Symmetrical 1,3-Benzoxazine Compounds as Potential Antibacterial Agent <i>Emilia Abdulmalek, Chiya, O. H. and Mansor Ahmad</i>	CHM-2526
09:55 – 10:10	Investigation of Optimum Parameter to Extract Thorium from a Mixed Thorium–Rare Earth Hydroxide through Solvent Extraction Method <i>Ahmad Hayaton Jamely Mohd Salehuddin and Aznan Fazli Ismail</i>	CHM-6869
10:10 – 10:25	The Effect of the Anion Coordination Number on the Efficiency of Naphthenic Acid Extraction from Model Oil by 1-Butyl-3-Methyl-Imidazolium-based Ionic Liquids <i>Nur Eizzaty Hazirah Zulkefli, Putri Hilda Atira Megat Mohd Zubairi and Mohd Farid Ismail</i>	CHM-4651
10:25 – 10:40	The Effect of <i>Kaempferia Angustifolia</i> Rosc. Extracts and its Secondary Metabolites on Lipid Peroxidation and Cytotoxicity in Breast Cancer Cell Line <i>Yunie Soon Yu Yeap, Nur Kartinee Kassim, Rou Chian Ng, Gwendoline Cheng Lian Ee and Latifah Saiful Yazan</i>	CHM-4293

10:40 – 11:00 : Refreshment

TIME	Venue: Ballroom Chairperson: Prof. Dr. Noor Akma Ibrahim
11:00 – 12:00	KEYNOTE ADDRESS Prof. Dr. Lilia Halim (UKM) <i>STEM Education: Issues and Way Forward</i>

12:00 – 13:00 : Opening Ceremony & Group Photography

13:00 – 14:15 : Poster Session/Lunch

Parallel Session 2B Venue : Titan 2 Chairperson : Prof. Madya Dr. Yusran Sulaiman

Time	Title/Author(s)	Code ID
14:15 – 14:30	Characterization of Carboxymethyl Sago Starch-Acid Hydrogel <i>Norhazlin Zainuddin, Nur Fattima' Al-Zahara' Tuan Mohamood, Normastura Sulta and Mas Jaffri Masarudin</i>	CHM-1742
14:30 – 14:45	Adsorption Properties of Copper (Cu²⁺) from Aqueous Solution by ZnO/Talc Adsorbent <i>H. A Sani, M. B. Ahmad, and A Musa</i>	CHM-1463
14:45 – 15:00	Synthesis and Dielectric Properties of Tantalum Substituted Barium Zinc Niobate Perovskites <i>K. K. Kannan, K. B. Tan, Z. Zainal, S. K. Chen, and C. C. Khaw</i>	CHM-1289

TIME	Venue: Titan 2 Chairperson: Prof. Madya Dr. Janet Lim Hong Ngee
15:00 – 15:30	PLENARY SPEECH Prof. Dr. Jose Rajan (UMP) <i>Development of Renewable Materials for Energy, Environment, and Drug Discovery</i>

15:30 – 15:45 : Refreshment

Parallel Session 3B
Venue : Titan 2
Chairperson : Dr. Ruzniza Mohd Zawawi

Time	Title/Author(s)	Code ID
15:45 – 16:00	Rechargeable Photoelectrochemical Cell for Solar Energy Storage using Natural Pitaya Dye <i>Lorna Jeffery Minggu, Nurul Nadia Ngah, Kim Hang Ng and Wan Ramli Wan Daud</i>	CHM-1668_1
16:00 – 16:15	Development of New Methods for the Synthesis of Dihydropyrans (DHP) and Tetrahydropyrans (THP) <i>Nadiah Mad Nasir and Paul Clarke</i>	CHM-1117
16:15 – 16:30	Fabrication of Calixarene/Reduced Graphene Oxide Nanocomposite (ERGO-C4) as an Electrochemical Sensor of Naphthalene <i>Putri Nur Syafieqah Zainal and Shahrul Ainliah Alang Ahmad</i>	CHM-4932
16:30 – 16:45	LC-ESIMS/MS and GCMS Metabolite Profiles of Terminalia Catappa (Linn) Nuts and its Antioxidant Property <i>Yahaya Yakubu, Khozirah Shaari and Intan Safinar Ismail</i>	CHM-6834
16:45 – 17:00	Synthesis and Characterization of Amidoximed Modified Polyacrylonitrile Grafted Moringa Seeds <i>Yusuf Ja'afar, Abdul Halim Abdullah and Siti Nur Ain Md Jamil</i>	CHM-9877
17:00 – 17:15	Formulation of Water-in-Medium Chain Triglyceride (MCT) Nanoemulsion based-System Containing Gemcitabine for Lung Cancer Treatment <i>Nadiatul Atiqah Wahgiman, Norazlinaliza Salim, Mohd Basyaruddin Abdul Rahman and Siti Efliza Ashari</i>	CHM-3562
17:15 – 17:30	Arsenic Concentration in Rice Grown from Three Local Government Areas of Kano, Nigeria <i>Amina Salihi Bayero, Aminu Umar and Isa Baba Koki</i>	CHM-7354

Time	Title/Author(s)	Code ID
17:30 – 17:45	Spectrophotometric Determination of Aluminium in some Antiperspirant and Deodorant Formulations Marketed in Kano Metropolitan, Nigeria <i>Amina Salihi Bayero, Musa Ibrahim Muhammad and Khadija Khalil</i>	CHM-8817

**CHEMISTRY ORAL PRESENTATION
DAY 2 - 24th OCTOBER 2018**

Parallel Session 4B
Venue : Titan 2
Chairperson : Dr. Haslina Ahmad

Time	Title/Author(s)	Code ID
08:30 – 08:45	Synthesis and Characterization of Polypyrrole-Polyethylenimine Composites and its Application of Nickel Ions Removal from Aqueous Solution <i>Abdullahi Haruna Birniwa, Abdulsalam Salisu Abubakar and Habibun Nabi Muhammad Ekramul Mahmud</i>	CHM-1960
08:45 – 09:00	Development of Aerosolized Niosome Formulation Containing Gemcitabine and Cisplatin for Lung Cancer Treatment <i>Norfatin Izzatie Mohamad Saimi, Norazlinaliza Salim, Mohd Basyaruddin Abdul Rahman and Noraini Ahmad</i>	CHM-3731
09:00 – 09:15	Synthesis, Structures and Anticancer Studies of Aliphatic Nitrile Functionalized Benzimidazolium Salts and Respective Symmetrically Mono Silver(I)-N-Heterocyclic Carbene Complexes <i>Sunusi Y. Hussaini, Rosenani A. Haque, Mohd. R. Razali and A. M. S. Abdul Majid</i>	CHM-1586
09:15 – 09:30	Pulsed Electric Field Pretreatment in Antioxidant Extraction of Areca (<i>Areca Catechu</i>) Seeds <i>N. L. Rahmah, Sukardi and A. M. Ahsan</i>	CHM-6786
09:30 – 09:45	Going from Macromolecules to Nanocomposites <i>Mansor Ahmad and Aminu Musa</i>	CHM-6281

10:15 – 10:30 : Refreshment

Parallel Session 5B
Venue : Titan 2
Chairperson : Dr. Norhazlin Zainuddin

Time	Title/Author(s)	Code ID
10:30 – 10:45	Synthesis and Characterization of MoO_x Thin Film on α-Al₂O₃ (0001) Single Crystal <i>Ibrahim Garba Wawata and Michael Bowker</i>	CHM-4744
10:45 – 11:00	Development of Water Quality Index of Ex-Mining Ponds in Malaysia <i>Isa Baba Koki, Sharifuddin Md Zain, Low Kah Hin, Hafizan Juahir, Azman Azid and Munirah Abdul Zali</i>	CHM-4787
11:00 – 11:15	Enhancement of Electroanalytical Sensitivity-based Ion Transfer Voltammetry at Liquid- Liquid Micro-Interfaces <i>Eissa M. Al-mbrok, Nor Azah Yusof, Jaafar Abdullah and Ruzniza Mohd Zawawi</i>	CHM-1314
11:15 – 11:30	FTIR and NMR (¹H and ¹³C) Studied on Bio-based Polyurethane Acrylate Gel Polymer Electrolyte <i>Chai Kai Ling, Min Min Aung, Marwah Rayung, Luqman Chuah Abdullah, Lim Hong Ngee and I. M. Noor</i>	CHM-1584
11:30 – 11:45	Synthesis and Physicochemical Properties of Non-Edible Oil-based Maleinized Epoxy Acrylate Resin <i>Asilah Ahmad, Min Min Aung, Hong Ngee Lim, Luqman Chuah Abdullah and Sariah Saalah</i>	CHM-2929
11:45 – 12:00	Effect of Functionalized Ionic-liquid Templated Mesoporous Silica nanoparticles on Controlled Drug Release <i>H. Ahmad, N. S. Zaharudin, M. B. A. Rahman and K. Jumbri</i>	CHM-5179
12:00 – 12:15	Analysis and Evaluation of Surface Water Quality using Factor and Discriminant Analysis <i>Sufyan Kharisu Chukkol and Isa Baba Koki</i>	CHM-4678

Time	Title/Author(s)	Code ID
12:15 – 12:30	The Effect of the Anion Coordination Number on the Efficiency of Naphthenic Acid Extraction from Model Oil by N-Methyl-N,N,N-Tributylammonium based Ionic Liquid <i>Ivy Jocelyn Joanes and Mohd Farid Ismail</i>	CHM-5324
12:30 – 12:45	Green Synthesis of Silver Nanoparticles based on Hypoxis Hemerocallidea Extracts <i>A. Hana AbdElaziz, B. Abdalmahmod Saad and C. CBabiker K. Abdalla</i>	CHM-9687
12:45 – 13:00	Effect of Different Loading Core-Shell Au-Pd and Au-Pt Supported Catalysts towards the Oxidation of Benzyl Alcohol <i>Herda Abd Rahman, Norasidah Mohd JamJam, Syahira Yusof, Yun Hin Taufiq- Yap and Saiman Mohd Izham</i>	CHM-5027

13:00 – 14:15 : Lunch

Invited Speech & Parallel Session 6B
Venue : Titan 2
Chairperson : Dr. Mohd Izham Saiman

Time	Title/Author(s)	Code ID
14:15 – 14:35	INVITED SPEAKER 3 Associate Prof. Dr. noraini (UPM) <i>Simultaneous Electroanalysis of Ascorbic Acid, Uric Acid and Dopamine at Electrodeposited Poly(3,4-ethylenedioxythiophene)/Reduced Graphene Oxide/Manganese Dioxide</i>	
14:35 – 14:55	INVITED SPEAKER 4 Assoc. Prof. Dr. Janet Hong Ngee Lim (UPM) <i>Dual-Functional Cadmium Sulphide/Methylene Blue Modified Cellulose Acetate Beads for Adsorption and Photoelectrochemical Detection of Copper (II) Ions</i>	

Time	Title/Author(s)	Code ID
14:55 – 15:10	Photoelectrochemical Activity of Electrodeposited WO₃/Au Thin Film in Electrolyte Containing Organics <i>Nurul Akmal Jaafar, Kim Hang Ng, Lorna Jeffery Minggu and Mohammad Kassim</i>	CHM-1668_2
15:10 – 15:25	Theoretical Study on the Synthetic Route of Bisalene <i>Soraya Shafawati Mohamad Tahier, Ku Halim Ku Bulat, Hanis Mohd Yusoff and Asnuzilawati Asari</i>	CHM-7079
15:25 – 15:40	Pre-Clinical Validation Study of a Miniaturized Electrochemical Immunoassay based on Differential Pulse Voltammetry for Early Detection of <i>Mycobacterium Tuberculosis</i> <i>Umi Zulaikha Mohd Azmi, Nor Azah Yusof, Norzila Kusnin, Siti Suraiya Md Noor, Ong Poh Shing and Nurul Hanun Ahmad Raston</i>	CHM-4594

15:40 – 16:00 : Refreshment

Parallel Session 7B
Venue : Titan 2
Chairperson : Dr. Norizah Abd Rahman

Time	Title/Author(s)	Code ID
16:00 – 16:15	Synthesis, Structural and Electrical Properties of Novel Pyrochlores in the Bi₂O₃-Fe₂O₃-Ta₂O₅ Ternary System <i>F. A. Jusoh, K. B. Tan, Z. Zainal and S. K. Chen</i>	CHM-5511
16:15 – 16:30	Removal of Cadmium Ion in Aqueous Solution using Natural Pineapple Plant Stem <i>V. Z. T. Loh, Y. P. Tan and A. H. Abdullah</i>	CHM-5696
16:30 – 16:45	Effects of Melt Holding Time on Properties of Direct Recycled Aluminium-Copper-Cullet Composites <i>Awwal Hussain Nuhu</i>	CHM-9394

Time	Title/Author(s)	Code ID
16:45 – 17:00	Solid - Solid Synthesis and Charcterization of Cu(II) and Ni(II) Coordination Polymers with Ligand Derived from 3-Methoxy-4-Hydroxy Benzaldehyde and L-Leucine <i>Z. Sulaiman and J. Na'aliya</i>	CHM-7356

17:00 – 17:30 : Closing Ceremony

CHEMISTRY POSTER PRESENTATION

No.	Title	Code ID
1	Kinetic, Isotherm and Thermodynamic Studies on the Adsorption of Basic Blue 3 by Oxalic Acid Modified Pineapple Plant Stem <i>Siew-Ling Chan and Yen Ping Tan</i>	CHM-1782
2	Molecular Simulation between Ibuprofen, a Non-steroidal Anti-Inflammatory Drug with Lipid Bilayer Membrane <i>Tuan Nur Anis Tuan Kamruddin and Nur Hana Faujan</i>	CHM-2709
3	Modeling MIL-47(V) as Platform for Drug Delivery using Molecular Dynamics Simulations <i>Mostafa Yousefzadeh Borzehandani, Muhammad Alif Mohammad Latif, Mohd Basyaruddin Abdul Rahman and Emilia Abd Malek</i>	CHM-3118
4	Effect of Single and Binary Solvents System on the Formation of Electrospun Polyvinylpyrrolidone Nanofibers <i>N. A. Mohamed Khairuddin and N. Abdul Rahman</i>	CHM-3534
5	Structure and Dynamics of an Enzyme Encapsulated in IRMOF-74 Metal-Organic Frameworks <i>Tuan Nurul Azura Tuan Kob @ Yaakub, Mohd Farid Ismail and Muhammad Alif Mohammad Latif</i>	CHM-3594
6	Beta-Cyclodextrin Functionalized Cellulose Acetate Nanofibers for Bisphenol a Removal <i>M. H. Wahid, M. Z. Aswadi, I. Ling, S. Kamaruzaman and N. A. Rahman</i>	CHM-5173
7	A Novel Hybrid of Mesoporous Silica Nanoparticles/Graphite Nanoplatelet (MSNs/GNP) for High Efficiency of Lead Removal <i>H. Ahmad, V. V. Laini, M. F. Abdrahman and S. Kamaruzaman</i>	CHM-7220

No.	Title	Code ID
8	Evaluation of River Monitoring Stations at Muda River Basin (Malaysia) <i>Shah Christirani Azhar, Ahmad Zaharin Aris, Mohd Kamil Yusoff and Mohammad Firuz Ramli</i>	CHM-7459
9	SAXS for Characterizing Cubosomes and Hexosomes Nanocarriers <i>Intan. D. M. Azmi and A. Yaghmur</i>	CHM-8031
10	Investigation of Thorium Removal from Aqueous Waste by Electrosorption Technique <i>Eli Syafiqah Aziman and Aznan Fazli Ismail</i>	CHM-9040
11	Reduced Graphene Oxide/Zinc Oxide-based Chiral Sensor for the Detection of Tryptophan Enantiomers <i>R. Mohd Zawawi and S.Y. Cham</i>	CHM-9068
12	Synthesis, Physico-chemical and Structural Characterisation of Novel Metal-Organic Frameworks Derived from Lanthanide <i>N. N. M. Khirudin, N. N. M. Ishak, M.Ibrahim M. Tahir and Thahira. B. S. A Ravoo</i>	CHM-9129
13	Synthesis and Characterization of Electrospun-Cellulose Fibre/Graphene Oxide for Organophosphorus Pesticides (OPPs) Removal from Water Samples <i>Sazlinda Kamaruzaman and Nor Izzati Fikrah Aris</i>	CHM-9550

MATHEMATICS

**MATHEMATICS ORAL PRESENTATION
DAY 1 - 23rd OCTOBER 2018**

**Invited Speech & Parallel Session 1C
Venue : Ballroom
Chairperson : Assoc. Prof. Dr. Lee Lai Soon**

Time	Title/Author(s)	Code ID
09:00 – 09:20	INVITED SPEAKER 1 Assoc. Prof. Dr. Mohamad Rushdan Md. Said (UPM) <i>A Generalization of Elliptic Divisibility Sequences and Its Cryptographic Applications</i>	
09:20 – 09:40	INVITED SPEAKER 2 Prof. Dr. Mustafa Türkyilmazoğlu (Hacettepe University) <i>Exact Solutions of Flow and Heat Over a Long Cylinder with Diverse Physical Mechanisms</i>	
09:40 – 09:55	A Differential Evolution for Simultaneous Transit Network Design and Frequency Setting Problem <i>L. S. Lee</i>	MTH-9452
09:55 – 10:10	Optimizing Resource Allocation to Improve Emergency Department Efficiency in a Malaysia Government Hospital <i>Wan Rosmanira Ismail and Wan Malissa Wan Mohd Aminuddin</i>	MTH-6604
10:10 – 10:25	Findings Annihilator(s) via Fault Injection Attack (FIA) on Boolean Function of Grain v0 <i>Muhammad Reza Kamel Ariffin, Wan Zariman Omar@Othman, Solahuddin Shamsuddin, Zahari Mahad and Suhairi Mohd Jawi</i>	MTH-8477
10:25 – 10:40	Reduce Three Block Diagonal Matric to Two Block Diagonal Matric by using L-BFGS Method to Solve Large Scale Unconstrained Optimization Problem <i>H. Ruzi and S. M. Marjugi</i>	MTH-9656

10:40 – 11:00 : Refreshment

Time	Venue: Ballroom Chairperson: Prof. Dr. Noor Akma Ibrahim
11:00 – 12:00	KEYNOTE ADDRESS Prof. Dr. Lilia Halim (UKM) <i>STEM Education: Issues and Way Forward</i>

12:00 – 13:00 : Opening Ceremony & Group Photography

13:00 – 14:15 : Poster Session/Lunch

Parallel Session 2A
Venue : Titan 1
Chairperson : Dr. Norhaslinda Ali

Time	Title/Author(s)	Code ID
14:15 – 14:30	Hypothesis Testing for Parameters of Gompertz Distribution with Covariate, Right and Interval Censored Data <i>T. Nagaraju and J. Arasan</i>	MTH-2210
14:30 – 14:45	Goodness of fit for Gompertz Model with Covariates and Right Censored Data <i>Nur Niswah Naslina Azid @ Maarof and Jayanthi Arasan</i>	MTH-8121
14:45 – 15:00	Outlier Detection in Standard 2X2 Crossover Design using Generalized Difference in Fitted Values (GDFFITS) <i>Chia Chiun Lee and Fong Peng Lim</i>	MTH-9556

Parallel Session 2C
Venue : Ballroom
Chairperson : Dr. Athirah Nawawi

Time	Title/Author(s)	Code ID
14:15 – 14:30	On the Structure of Disconnected Commuting Graph in Symplectic Group for Prime Order Elements <i>S. M. Kasim and A. Nawawi</i>	MTH-3010

Time	Title/Author(s)	Code ID
14:30 – 14:45	Some Applications of Differential Game Theory <i>Nur Hidayah Razali and Idham Arif Alias</i>	MTH-9142
14:45 – 15:00	The Zero Divisor Graph for Graded Modules over Commutative Graded Rings <i>Helen K Saikia and Gayatri Das</i>	MTH-9669

Time	Venue: Ballroom Chairperson: Assoc. Prof. Dr. Nik Mohd Asri Nik Long
15:00 – 15:30	PLENARY SPEECH Assoc. Prof. Dr. Norma Alias (UTM) <i>5 Potential Intellectual Property Rights for Big Data Simulation in Numerical Perspective</i>

15:30 – 15:45 : Refreshment

Parallel Session 3C
Venue : Ballroom
Chairperson : Dr. Fadzilah Md Ali

Time	Title/Author(s)	Code ID
15:45 – 16:00	A Stability Analysis on Unsteady Mixed Convection Stagnation Point Flow along the Flow Impingement Direction in the Presence of Suction and Thermal Radiation <i>S. A. Bakar, N. M. Arifin, F. M. Ali and N. Bachok</i>	MTH-2573
16:00 – 16:15	Dual Solutions of Nonlinear Stretched/Shrunked Flows of Carbon Nanotubes <i>Ahmad Danial Lokman, Norfifah Bachok and Haliza Rosali</i>	MTH-3149
16:15 – 16:30	Effect of suction on the Magnetohydrodynamics (MHD) Flow in a Doubly-Stratified Micropolar Fluid over a Shrinking Sheet <i>NS. Khashi'ie, NM. Arifin, EH. Hafidzuddin and N. Wahi</i>	MTH-4872

Time	Title/Author(s)	Code ID
16:30 – 16:45	Magnetic field effect on Nanofluid Flow and Heat Transfer Past a Moving Horizontal Thin Needle with Stability Analysis <i>S. N. A. Salleh, N. Bachok, N. M. Arifin and F. M. Ali</i>	MTH-6231
16:45 – 17:00	Magnetohydrodynamics (MHD) Stagnation-Point Flow of a Nanofluid Past a Stretching/Shrinking Sheet with Induced Magnetic Field: A Revised Model <i>Mohamad Mustaqim Junoh, Fadzilah Md Ali, Norihan Md Arifin and Norfifah Bachok</i>	MTH-7780
17:00 – 17:15	Second Order Slip Effect on Boundary Layer Flow and Heat Transfer of Carbon Nanotubes over a Moving Plate with Stability Analysis <i>N. S. Anuar, N. Bachok, N. M. Arifin and H. Rosali</i>	MTH-9499

**MATHEMATICS ORAL PRESENTATION
DAY 2 - 24th OCTOBER 2018**

**Parallel Session 4A
Venue : Titan 1
Chairperson : Dr. Faridah Yunos**

Time	Title/Author(s)	Code ID
08:30 – 08:45	An Improved Attack on RSA Variants with Modified Euler Quotient <i>M. R. K. Ariffin, W. N. A. Ruzai and M. A. Asbullah</i>	MTH-4743
08:45 – 09:00	New Cryptanalysis Attack on RSA Modulus $N = pq$ with Small Primes Difference <i>M. R. K. Ariffin, I. A. Saidu, Faridah Yunos and M. A. Asbullah</i>	MTH-6109
09:00 – 09:15	Detecting Hidden Weak RSA Public Key in Digital Certificates <i>Muhammad Rezal Kamel Ariffin and Amir Hamzah Abd Ghafar</i>	MTH-6719
09:15 – 09:30	Factoring $N = p^2q$ via the Extended Strategy of Jochemsz and May <i>M. R. K. Ariffin and N. N. H. Adenan</i>	MTH-7045
09:30 – 09:45	Derivation of formula of quasi idealized hyphal-cell contour <i>M. Z. A. M. Jaffar and I. Mohd</i>	MTH-7765

**Parallel Session 4C
Venue : Ballroom
Chairperson : Assoc. Prof. Dr. Siti Hasana Sapar**

Time	Title/Author(s)	Code ID
08:30 – 08:45	Common Fixed Point Theorems of Caristi Type Mappings by using its Absolute Derivative <i>M. Muslikh, A. Kilicman, S. Hasana and Norfifah bt Bachok</i>	MTH-7158

Time	Title/Author(s)	Code ID
08:45 – 09:00	A Weighted Aggregation Operator for m-polar Fuzzy Soft Sets and its Application in Group Decision-Making Problems <i>A. Zahedi Khameneh and A. Kilicman</i>	MTH-1938
09:00 – 09:15	A Comprehensive Review on Fractional Generalized Hermite Type Inequalities and Fractional Forms <i>Adem Kilicman and Ohud Bulayhan Almutairi</i>	PM-8592
09:15 – 09:30	A Note on Complex Q-fuzzy Soft Set Theory <i>M. Altwer and A. Kilicman</i>	MTH-8653
09:30 – 09:45	Local Stability of the Dengue Epidemic Model using the Fractional Order System with Different Memory Effect on the Host and Vector Population <i>Nur 'Izzati Hamdan and A. Kilicman</i>	MTH-8974

10:15 – 10:30 : Refreshment

Parallel Session 5C
Venue : Ballroom
Chairperson : Assoc. Prof. Dr. Norazak Senu

Time	Title/Author(s)	Code ID
10:30 – 10:45	Relationship between Coefficient of Explicit and Implicit for Backward Differentiation Formula <i>Hazizah Mohd Ijam, Zarina Bibi Ibrahim and Norazak Senu</i>	MTH-1743
10:45 – 11:00	R-point Block Linear Multistep Method for Solving Population Growth Model <i>Nursyazwani Mohamad Noor, Zarina Bibi Ibrahim and Fudziah Ismail</i>	MTH-5246

Time	Title/Author(s)	Code ID
11:00 – 11:15	Third Order Backward Differentiation Formula with Off-step Point for Solving Stiff Ordinary Differential Equations <i>Amiratul Ashikin Mohd Nasarudin and Zarina Bibi Ibrahim</i>	MTH-5540
11:15 – 11:30	Exponentially-Fitted Modified Two Derivative Runge-Kutta-Nyström Methods for Solving $y''(x) = f(x, y, y')$ <i>T. S. Mohamed, N. Senu, N. M. A. Nik Long and Z. B. Ibrahim</i>	MTH-5583
11:30 – 11:45	Convergence of 2-Point Singly Diagonally Implicit Block Backward Differentiation Formulas for Solving Stiff Ordinary Differential Equations <i>S. J. Aksah and Z. B. Ibrahim</i>	MTH-5969
11:45 – 12:00	Derivation of Diagonally Implicit Block Backward Differentiation Formula with Two Off Step Point for Solving Stiff Odes <i>Norshakila Abd Rasid and Zarina Bibi Ibrahim</i>	MTH-7557
12:00 – 12:15	An Exponentially-Fitted Direct Runge-Kutta Method for the Numerical Solution of Boundary Value Problem with Exponential Solutions <i>A. Salam, N. Senu and Z. A. Majid</i>	MTH-8995
12:15 – 12:30	Forth-Order Diagonally Implicit Runge-Kutta Type (DIRKT) Method for solving directly fourth-order ordinary differential equations (ODEs) <i>N. Ghawadri, N. Senu, F. A. Fawzi, F. Ismail and Z. B. Ibrahim</i>	MTH-9646
12:30 – 12:45	Influence of Internal Heating and Controller on Thermal Instability in a Binary Fluid Layer Saturated an Anisotropic Porous Medium in the Presence of Nonlinear Temperature Profile <i>N. Z. A. Hamid, N. F. M. Mokhtar, N. M. Arifin and M. H. A. Sathar</i>	MTH-1143

Time	Title/Author(s)	Code ID
12:45 – 13:00	Electromoconvection in an Internal Heating Dielectric Fluid Layer with Coriolis Force <i>N.H. Serin, N.F.M. Mokhtar and N.A.M. Shamsudin</i>	MTH-2168

13:00 – 14:15 : Lunch

Invited Speech & Parallel Session 6C
Venue : Ballroom
Chairperson : Prof. Dr. Habshah Midi

Time	Title/Author(s)	Code ID
14:15 – 14:35	INVITED SPEAKER 3 Prof. Dr. Ibrahim Mohamed (UM) <i>Circular Boxplot</i>	
14:35 – 14:55	INVITED SPEAKER 4 Prof. Dr. Noriszura Ismail (UKM) <i>Some Statistical Models in Insurance and Health Care, with Applications in R</i>	
14:55 – 15:10	Nonparametric Cumulative Sum Control Charts <i>Su Shing Ow and Nazihah Mohd Ali</i>	MTH-5690
15:10 – 15:25	Nonparametric EWMA in Statistical Process Control <i>Siti Fatimah Zakaria and Nazihah Mohd Ali</i>	MTH-5989
15:25 – 15:40	The Effect of High Leverage Collinearity Enhancing Observations on the Ordinary Least Squares Estimates <i>Habshah Midi</i>	MTH-3860

15:40 – 16:00 : Refreshment

Parallel Session 7C
Venue : Ballroom
Chairperson : Prof. Dr. Adem Kilicman

Time	Title/Author(s)	Code ID
16:00 – 16:15	Oscillation of a Class of Third Order Generalized Functional Difference Equation <i>M. Maria Susai Manuel, P. Venkata Mohan Reddy and Adem Kilicman</i>	MTH-3820
16:15 – 16:30	Oscillation Criteria for Higher Order Nonlinear Generalized Neutral Difference Equations <i>P. Venkata Mohan Reddy, Adem Kilicman and M. Maria Susai Manuel</i>	MTH-7989
16:30 – 16:45	Oscillation of Solutions of Some Generalized Nonlinear Difference Equations <i>J. Leo Amalraj, Adem Kilicman and M. Maria Susai Manuel</i>	MTH-2512

17:00 – 17:30 : Closing Ceremony

MATHEMATICS POSTER PRESENTATION

No.	Title	Code ID
1	Forecasting Rubber and Gold Prices with Geometric Brownian Motion <i>S. N. I. Ibrahim and Z. N. Hamdan</i>	MTH-3511
2	Stationary and Non-Stationary Generalized Extreme Value (GEV) Model of Extreme Rainfall Series in Terengganu <i>A. H. Syafrina and J. Jannatul Ain</i>	MTH-4551
3	Meta-heuristic Method to Solve the Surgery Scheduling and Surgeon Assignment Problem <i>N. S. Ab Rashid and N. A. Abdul Rahmin</i>	MTH-8327
4	Online Scheduling Problem in Parallel Operating Theatre using Local Search <i>Nur Neesha Alimin and Nor Aliza Abd Rahmin</i>	MTH-9967

PHYSICS

**PHYSICS ORAL PRESENTATION
DAY 1 - 23rd OCTOBER 2018 (TUESDAY)**

**Invited Speech & Parallel Session 1D
Venue : Titan 3
Chairperson : Assoc. Prof. Dr. Chen Soo Kien**

Time	Title/Author(s)	Code ID
09:00 – 09:20	INVITED SPEAKER 1 Prof. Dr. Zainal Abidin Talib (UPM) <i>Insight into Novel Physical Properties of Metal Organic Framework</i>	
09:20 – 09:35	Structural, Electronic and Transport Properties of Graphene/Silicene Superlattices <i>Mohamad Amin Hamid and K. T. Chan</i>	PHY-6781
09:35 – 09:50	Structural, Optical and Antibacterial Activity of Biogenic Zinc Oxide Nanoparticles (ZnONPs) <i>Siti Huzaimah Ribut, Che Azuranim Che Abdullah, Muskhazli Mustafa and Mohd Zaki Mohd Yusoff</i>	PHY-1198
09:50 – 10:05	Synthesis and Temperature Dependence of Photoluminescence from PbS Core and PbS/MnS Core Shell Quantum Dots <i>Muhammad Safwan Zaini, Josephine Liew Ying Chyi, Shahrul Ainliah Alang Ahmad, Abdul Rahman Mohmad and Mazliana Ahmad Kamarudin</i>	PHY-1231
10:05 – 10:20	Nanomaterials Mediated siRNA Delivery System for Gene Therapy in Lung Cancer <i>Nur Khalida Rahayu Zainon, CA Che Azuranim, AR Mohd Basyaruddin and MJ Masarudin</i>	PHY-1331
10:20 – 10:35	Assessment of Indoor Doses and Excess Lifetime Cancer Risks due to Natural Radionuclides in Building Material using RESRAD-BUILD Computer Code <i>Abdullahi Shittu and Aznan Fazli Ismail</i>	PHY-8322

10:40 – 11:00 : Refreshment

TIME	Venue: Ballroom Chairperson: Prof. Dr. Noor Akma Ibrahim
11:00 – 12:00	KEYNOTE ADDRESS Prof. Dr. Lilia Halim (UKM) <i>STEM Education: Issues and Way Forward</i>

12:00 – 13:00 : Opening Ceremony & Group Photography

13:00 – 14:10 : Poster Session/Lunch

Parallel Session 2D Venue : Titan 3 Chairperson : Prof. Dr. Halimah Mohamed Kamari
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Time	Title/Author(s)	Code ID
14:10 – 14:30	INVITED SPEAKER 2 Prof. Dr. Abdul Kariem Arof (UM) <i>Overview on Dye-Sensitized Solar Cells Employing Gel Polymer Electrolytes</i>	
14:30 – 14:45	Influence of Nano-sized TiO₂ on Pr_{0.7}Sr_{0.3}MnO₃ Composites: Structural, Microstructural and Magnetic Properties <i>Lim Kean Pah, N. N. Nawi, L. N. Lau, S. A. Halim, S. K. Chen and M. M. Awang Kechik</i>	PHY-3817
14:45 – 15:00	Optimization of Superconducting Properties in MgB₂ <i>Chen Soo Kien, M. M. Awang Kechik, K. P. Lim and A. S. Halim</i>	PHY-1256

Time	Venue: Titan 3 Chairperson: Prof. Dr. Abdul Halim Shaari
15:00 – 15:30	PLENARY SPEECH Dr. Rezal Khairi Ahmad (Nano Malaysia) <i>R&D to Commercialization – Nanotechnology</i>

15:30 – 15:45 : Refreshment

Parallel Session 3D
Venue : Titan 3
Chairperson : Dr. Nor Kamilah Saat

Time	Title/Author(s)	Code ID
15:45 – 16:00	Mode-locked Erbium-doped Fiber Laser Based on Evanescent Field Interaction with ZnO-PDMS Polymer Composite as Saturable Absorber <i>Farah Diana Muhammad, S. A. Syed Husin, S. H. Ribut, C. A. Che Abdullah, S. Paiman and M. A. Mahdi</i>	PHY-2541
16:00 – 16:15	Generation of Short Pulse Fiber Laser Utilizing Single-Point and Dual-Points Single Layer Graphene as Saturable Absorbers <i>Amirah Abdul Latif, N. M. Radzi, K. S. Khalid, N. A. Awang, Z. Zakaria, N. K. Saat and N. Tamchek</i>	PHY-6717
16:15 – 16:30	Photothermal Imaging using Non-contact Photopyroelectric Method <i>Azura Amran, Nor Kamilah Saat, Nizam Tamchek and Ting Lee Mon</i>	PHY-2046
16:30 – 16:45	Comparison between Blue and Green Lasers with Different Wavelengths in Thermal Diffusivity Measurement of Solid Materials <i>Ting Lee Mon, Nor Kamilah Sa'at, Raba' ah Syahidah Azis and Azura Amran</i>	PHY-6544

**PHYSICS ORAL PRESENTATION
DAY 2 - 24th OCTOBER 2018 (WEDNESDAY)**

**Parallel Session 4D
Venue : Titan 3
Chairperson : Dr. Amirah Abd Latif**

Time	Title/Author(s)	Code ID
08:30 – 08:45	Synthesis of Zinc Silicate Glass Ceramic using Rice Husk as Silica Source <i>Siti Aisyah Abdul Wahab, K. A. Matori, M. H. M Zaid, M. M. A. Kechik, S. H. A. Aziz, A. Z. K. Azman, R. E. M. Khaidir, M. Z. A. Khiri, N. A. Effendy and N. A. A. Rahman</i>	PHY-1349
08:45 – 09:00	The Influence of Setting Reaction Time on Physical, Structural and Mechanical Properties of Glass Ionomer Cement Derived from Calcium Fluoroaluminosilicate Based Glass <i>Mohammad Zulhasif Ahmad Khiri, K. A. Matori, M. H. M. Zaid, C. A. C. Abdullah, N. Zainuddin and N. A. A. Rahman</i>	PHY-7141
09:00 – 09:15	Development of Surface Plasmon Resonance Optical Sensor for Diagnosis of Dengue Virus E-protein <i>Yap Wing Fen, N. A. S. Omar, J. Abdullah and M. A. Mahdi</i>	PHY-1969
09:15 – 09:30	Structural and Stimulated Emission Cross-section of Erbium doped Bio-silicate Borotellurite Glass System Containing Silver Oxide <i>Abdulkarim Muhammad Hamza, Halimah M. K., Muhammad F. D. and Chan K. T.</i>	PHY-4606
09:30 – 09:45	Synthesis of ZnO-TiO₂ Nanocomposite Particles by Thermal Treatment Method and the Effects of Calcination <i>Suzliana Muhamad, M. K. Halimah, N. M. Al-Hada and C. A. C. Abdullah</i>	PHY-8207
09:45 – 10:00	Physical and Dielectric Properties of Silica Borotellurite Glasses Doped with Vanadium Oxide <i>Nurhayati Mohd Nor, M.K. Halimah, A. A. Latif and M. S. Nurisya</i>	PHY-4622

10:15 – 10:30 : Refreshment

Parallel Session 5D
Venue : Titan 3
Chairperson : Assoc. Prof. Dr. Lim Kean Pah

Time	Title/Author(s)	Code ID
10:30 – 10:45	Aqueous Synthesis of PbS/MnS Core Shell Quantum Dots <i>Mazliana Ahmad Kamarudin, Lyudmila Turyanska and Amalia Patane</i>	PHY-4070
10:45 – 11:00	Effect of Annealed and Unannealed Indium Tin Oxide-Coated Glass Substrate on the Morphology and Growth Orientation of Zinc Oxide Nanowires by Chemical Bath Deposition <i>Suriati Paiman, Toh Choon Beng, Toh Hui Ling and Shamsu Abubakar</i>	PHY-3592
11:00 – 11:15	Transition Energy of Type-I Spherical Core-shell Quantum Dots Heterostructures <i>Shelawati Tiansin, M. S Nurisya, C. Kar Tim and A. K. Mazliana</i>	PHY-1234
11:15 – 11:30	Preparation of CH₃NH₃PbBr₃ Nanoparticles using Non Template Chemical Precipitation Technique <i>Josephine Ying Chyi Liew, E. D. Baranoff, T. W. Rees, M. M. Abdi, Z. A. Talib, M. A. Kamarudin, N. H. Osman and H. K. Lee</i>	PHY-3215
11:30 – 11:45	Upcycling Waste Natural Rubber Glove into Carbon Nanotubes <i>Mohammad Adib Hazan, MS. Mamat, I. Ismail and Y. Yaakob</i>	PHY-8855
11:45 – 12:00	Effects of Wood Filler Contents and Sizes on the Mechanical and Thermal Properties of Polypropylene <i>Abubakar Yakubu, Zulkifly Abbas and Zainab Yunusa</i>	PHY-6708
12:15 – 12:30	Ionospheric Response to Geomagnetic Storm Events at Low Solar Activity <i>Bejamin Wisdom Joshua, J. O. Adeniyi and S. J. Adebisi</i>	PHY-4796

Time	Title/Author(s)	Code ID
12:30 – 12:45	Fabrication of Schottky Barrier Solar Cells of Copper (I) Oxide (Cu₂O) by the Process of Partial Thermal Oxidation <i>Sulayman Muhammad Kabeer</i>	PHY-2060

13:00 – 14:15 : Lunch

Invited Speech & Parallel Session 6D
Venue : Titan 3
Chairperson : Assoc. Prof. Dr. Hishamuddin Zainuddin

Time	Title/Author(s)	Code ID
14:15 – 14:35	INVITED SPEAKER 3 Prof. Dr. Abdul Halim Shaari (UPM) <i>Overview of Materials Characterization using Electrons Spin Resonance (ESR) Spectroscopy</i>	
14:35 – 14:55	INVITED SPEAKER 4 Prof. Dr. Sidek Abd Aziz (UPM) <i>Elastic, Optical and Thermal Properties of Zinc Lead Tellurite Glass Systems</i>	
14:55 – 15:10	Energy Correction of the Noncommutative Landau Problem <i>Nurisya Mohd Shah</i>	PHY-3536
15:10 – 15:25	Network Structure for Global and Local Website <i>Chan Kar Tim, J. Y. S. Liang</i>	PHY-1343
15:25 – 15:40	Towards Collusion Set Detection in Stock Trading Network <i>Sarah Diyana Noor Azami, Chan Kar Tim, Zurita Ismail and Hishamuddin Zainuddin</i>	PHY-4160

Time	Title/Author(s)	Code ID
15:40 – 15:55	The Analysis of High Harmonic Generation by a Single Dipole Moment using MATLAB <i>Nor Azah Abdul Aziz and C. Jin</i>	PHY-2436

15:40 – 16:00 : Refreshment

Parallel Session 7D
Venue : Titan 3
Chairperson : Dr. Raba'ah Syahidah Azis

Time	Title/Author(s)	Code ID
16:00 – 16:15	Effect of Samarium Oxide on Structural and Optical Properties of Zinc Silicate Glass Ceramics from Waste Material <i>Auwalu Inusa Abubakar, M.K. Halimah, K.T. Chan, U. Abdullahi</i>	PHY-2418
16:15 – 16:30	Sensitivity of Nickel Oxide Nanoflakes Layer on EGFET Based pH Sensor <i>Dauda Abubakar, Naser M. Ahmed and Abdullahi Hassan Abdullahi</i>	PHY-1627
16:30 – 16:45	Estimation of Total Annual Effective Dose from Radon Concentration in Groundwater in Gadau District, Nigeria <i>Auwalu Baballe, Hauwau-kulu Shuaibu and Amina Danmadami</i>	PHY-3322
16:45 – 17:00	Europium and Dysprosium Ions Co-Doped White Light Luminescence Magnesium Sulfoborate Glasses for White LED <i>Sadiq Abubakar Dalhatu, R. Hussin, Bulus Ibrahim, Auwal Baballe, Y.A. Yamusa and Aliyu M. Aliyu</i>	PHY-8138

17:00 – 17:30 : Closing Ceremony

PHYSICS POSTER PRESENTATION

No.	Title	Code ID
1	Effect of Erbium Oxide on Optical Properties of Zinc Tellurite Glass System <i>M. K. Halimah, Y. J Sheng, S. N. Nazrin, Sidek H. A. A, K. Matori, and M. H. M Zaid</i>	PHY-1338
2	A Comprehensive Review of Banana-Based Paper <i>Siti Amira Othman and Nor Farah Amirah Nor Azman</i>	PHY-1401
3	Fabrication and Characterization of YBa₂Cu₃O₇ Superconductor by Thermal Treatment Method with Addition of BiFeO₃ Nano-particle <i>N. A. Che Dzul-Kifli, M. M. Awang Kechik, S. A. Shaari, K. P. Lim and S. K. Chen</i>	PHY-1713
4	Synthesis and Enhanced Luminescence Properties Waste Material of Willemite (Zn₂SiO₄) based Glass-ceramics Doped with Er³⁺ ions as Laser Application <i>N. A. Effendy, H. A. A. Sidek, K. A. Mantori, M. K. Halimah, M. H. M. Zaid, N. A. A. Rahman, S. A. A. Wahab, A. Z. K. Azman and M. Z. A. Khiri</i>	PHY-2472
5	The Effect of Heat Treatment on Physical and Structural Properties of Willemite based Glass-ceramic From Waste Material <i>A. Z. K. Azman, K. A. Matori, M. H. M. Zaid, S. A. Aziz, H. M. Kamari, S. A. A. Wahab, N. Effendy and M. Z. A. Khiri</i>	PHY-2995
6	Green Synthesis of Carbon-based Nanostructures from Organic Waste via Chemical Vapor Deposition <i>Y. Yaakob, M. A. Hazan, K. A. Jofri, A. N. Hakim, N. A. M. Yamin and M. S. Mamat</i>	PHY-3569

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7	Structural and Microwave Properties of Mg,Ti Substituted Barium Ferrite Nanoparticles <i>Nurshahiera Rosdi, Raba'ah Syahidah Azis, Muhammad Misbah Zulkimi and Syazana Sulaiman</i>	PHY-3760
8	Magnetite Nanoparticles used as Cu (II) Metal Removal in Waste Water Treatment Process <i>Syazana Sulaiman, Raba'ah Syahidah Azis, Nur Asyikin Ahmad Nazr, Muhammad Syazwan Mustaffa and Nurshahiera Rosdi</i>	PHY-4500
9	A Note on Some Associated Algebra of Bilinear Generators Arise in Noncommutative Morse Oscillator <i>M. S Nurisya, A. H. Nadhira, C. Kar Tim and Z. Hishamuddin</i>	PHY-4665
10	Factor Affecting K-Nearest Neighbor in WLAN Indoor Positioning System <i>Azlina Tajuddin and Mohd Amiruddin Abd Rahman</i>	PHY-4968
11	The Effect of Sintering Process on Physical and Structural Properties of Alumino-Silicate-Fluoride based Glass-ceramic From Waste Clam Shell and Soda Lime Silica Glasses <i>N. A. A. Rahman, K. A. Matori, M. H. M. Zaid, N. Zainuddin, S. A. Aziz, M. Z. A. Khiri, N. A. Effendy, S. A. A. Wahab and A. Z. K. Azman</i>	PHY-6576
12	Magnetic and Microwave Absorbing Properties of Hematite Nanoparticles <i>Raba'ah Syahidah Azis, Evi Fariska Muslih, Nurshahiera Rosdi, Muhammad Misbah Zulkimi, Syazana Sulaiman and Ismayadi Ismail</i>	PHY-6583
13	Green Synthesis: Nanosilica Particles from Coconut Husk Ash <i>Muhammad Fahmi Anuar, Yap Wing Fen and Mohd Hafiz Mohd Zaid</i>	PHY-6839
14	Effect Sintering Temperature on Nonlinear coefficient of Co-Doped ZnO Varistor Ceramics <i>Nor Kamilah Saat, Nur Quratul Aini Ismail, Nur Athirah M Sukrey and Norfarah Hani Sota</i>	PHY-9448

