

CONFERENCE PROGRAM

25 JUNE 2018 (MONDAY)

08.00 – 09.00	Registration
09.00 – 09.30	Plenary Session 1 (25 min presentation + 5 min for Q & A) Professor Dr. David Bradley Centre for Nuclear and Radiation Physics, Department of Physics, University of Surrey
09.30 – 10.00	Keynote Address 1 (25 min presentation + 5 min for Q & A) Emeritus Professor Dato' Dr. Muhammad Yahaya School of Applied Physics, Faculty of Science and Technology, Universiti Kebangsaan Malaysia
10.00 – 10.15	Tea Break & Poster Session 1 [P-007 to P-053]
10.15 – 10.35	Plenary Session 2 (15 min presentation + 5 min for Q & A) Professor Datin Paduka Dr. Khatijah Mohd Yusuff Department of Microbiology, Faculty of Biotechnology & Biomolecular Sciences, Universiti Putra Malaysia
10.35 – 10.55	Plenary Session 3 (15 min presentation + 5 min for Q & A) Professor Dr. Aziz Ahmad School of Fundamental Science, Universiti Malaysia Terengganu
10.55 – 11.15	Plenary Session 4 (15 min presentation + 5 min for Q & A) Dr. Ng Sing Muk Faculty of Engineering, Computing and Science, Swinburne University of Technology (Sarawak Campus)
11.15 – 12.45	Opening Ceremony & MoU Signing Ceremony
12.45 – 14.00	Lunch
14.00 – 14.30	Keynote Address 2 (25 min presentation + 5 min for Q & A) Professor Nigel Gooderham Faculty of Medicine, Imperial College London
14.30 – 17.00	Oral Presentation 1 (each: 10 min presentation + 5 min for Q & A)
17.00 – 17.30	Tea Break and Disperse



CONFERENCE PROGRAM

26 JUNE 2018 (TUESDAY)

08.15 – 9.45	Oral Presentation 2 (each: 10 min presentation + 5 min for Q & A)
09.45 – 10.15	Keynote Address 3 (25 min presentation + 5 min for Q & A) Professor Ir Dr Abdul Rahman Mohamed School of Chemical Engineering, Universiti Sains Malaysia
10.15 – 10.30	Tea Break & Poster Session 2 [P-054 to P-080]
10.30 – 13.00	Oral Presentation 3 (each: 10 min presentation + 5 min for Q & A)
13.00 – 14.00	Lunch
14.00 – 14.20	Plenary Session 4 (15 min presentation + 5 min for Q & A) Associate Professor Dr. Mohammad Hafizuddin Jumali School of Applied Physics, Faculty of Science and Technology, Universiti Kebangsaan
14.20 – 14.40	Keynote Address 4 (25 min presentation + 5 min for Q & A) Professor Datuk Dr. Harith Ahmad Department of Physics, Faculty of Science, University of Malaya
14.40 – 17.00	Oral Presentation 4 (each: 10 min presentation + 5 min for Q & A)
17.00 – 17.30	Award and Closing Ceremony
17.30	Tea Break and Disperse



LIST OF ORAL PRESENTER

ORAL PRESENTATION 1

Date :25 June 2018 (Monday)

Time : 14.30 – 17.00 pm

Venue : Dewan Gamelan 1

Chairperson : Dr Muhamad Fairus Noor Hashim

No	TIME	ID CODE	TITLE & AUTHOR
1	14.30-14.45	IV-1	Invited speaker : Electrically conductive nanofibers for supercapacitor <u>Yusran Sulaiman</u> , Nur Afifah Zubair, Sharifah Nur Jannah Syed Zainol Abidina and Muhammad Amirul Aizat Mohd Abdah
2	14.45-15.00	IV-2	Invited speaker : Recovery of Rare Earth Elements Using Biosorption Method <u>Eny Kusriani</u>
3	15.00-15.15	O-038	Complexation of 5,7,7,12,14,14-hexamethyl-1,8-diaza- 4,11-diazonia cyclic tetradeca-4,11-diene X2 (X=CIO₄ and Br) with copper bromide <u>Bohari M Yamin</u>
4	15.15-15.30	O-011	Synergistic effects of chamomile and lavender essential oils for antibacterial activity <u>Murtala Yau Dahiru</u>
5	15.30-15.45	O-012	Simultaneous enantiomeric resolution of imidazole antifungal agents using hydroxypropyl-β-cyclodextrin as chiral selector in capillary electrophoresis Nurul Raihana Azhari, <u>Muggundha Raoov Ramachandran</u> , Noorfatimah Yahaya and Faiz Bukhari Mohd Suah
6	15.45-16.00	O-013	Surfactant-assisted Imidacloprid Intercalation of Layered Zinc Hydroxide Nitrate: Synthesis and Characterisation <u>Sharifah Norain Mohd Sharif</u> , Norhayati Hashim, Illyas Md Isa, Noorshida Mohd Ali, Suriani Abu Bakar, Mohd Zobir Hussein and Mazidah Mamat
7	16.00-16.15	O-014	Synthesis and characterization of carbamate insecticide-intercalated zinc layered hydroxide modified with sodium dodecyl sulphate <u>Zuhailimuna Mudg</u> , Norhayati Hashim, Illyas Md Isa, Noorshida Mohd Ali, Suriani Abu Bakar, Mazidah Mamat, Mohd Zobir Hussein, Norlaili Abu Bakar and Wan Rasmawati Wan Mahamod



8	16.15-16.30	O-015	Parameters study of lipase-transesterification reaction of ethyl caffeate and glycerol in deep eutectic solvent (DES) Puteri Norathirah Megat Abu Bakar, Fadzil Noor Gonawan and Azlina Harun Kamaruddin
9	16.30-16.45	O-018	Magnetite Activated Charcoal Coated with Nonionic Silicone Surfactant for the Removal of Phenolic Compounds in Aqueous Samples Using UV-VIS Spectroscopy Kasturi Gopal, Nur Nadhirah Mohamad Zain, Muggundha Raoov Ramachandran and Faiz Bukhari Mohamad Zain
10	16.45-17.00	O-020	Effects of PEG-polysaccharide coating on electrospun PLA nanofiber Asrizuan Jauri and Saiful Izwan Abd Razak

ORAL PRESENTATION 2

Date :26 June 2018 (Tuesday)

Time : 8.15 – 9.45 am

Venue : Dewan Gamelan 1

Chairperson : Dr Lee Oon Jew

No	TIME	ID CODE	TITLE & AUTHOR
1	8.15-8.30	IV-3	Invited speaker : Sn(IV) complexes of the o-vanillin Schiff bases derived from S-benzyl- and S-4- methylbenzylidithiocarbamate: Synthesis, structural characterization and biological studies <u>Tahira B.S.A Ravoof</u> , Enis Nadia Md Yusof, Abhi Veerakumarasivam, Alister J. Page, Michela I. Simone, M.Ibrahim M.Tahir and M.Alif M. Latif
2	8.30-8.45	O-003	Optimization of nepeta cataria essential oil extraction yield by ultrasonic-soxhlet extraction method using response surface methodology <u>Marmy Roshaidah Mohd Salleh</u> , Faridah Ghafar and Norulakmal Nor Hadi
3	8.45-9.00	O-006	Phytoalexin responds on Si-mediated rice plant against rice blast pathogen (<i>Pyricularia oryzae</i>) <u>Lee Chuen Ng</u> , Nura Adila Zahari and Aziz Ahmad
4	9.00-9.15	O-043	Annona muricata metabolites functional group properties and characterization using FTIR approach <u>Amalina Ibrahim</u> , Muhamad Syazlie Che Ibrahim and Nurul Ulfah Karim
5	9.15-9.30	O-017	Effect of different nitrogen source combinations on microbial cellulose production by <i>Pseudomonas aeruginosa</i> in batch fermentation Chai Jun Meng and <u>Azila Adnan</u>



6 9.30-9.45 O-062

Dream Over Life: Psychedelic Terphenyl Derivative Induce Hallucination via Cannabinoid Receptor

Fatin Azierah Fauzi, Meng Shien Goh, Syed Ahmad Tajudin Tuan Johari, Fatimah Hashim and Muhamad Fairus Noor Hassim

ORAL PRESENTATION 3

Date :26 June 2018 (Tuesday)

Time : 10.30 – 13.00 pm

Venue : Dewan Gamelan 1

Chairperson : Dr Faizatul Shimal Mehamod

No.	TIME	ID CODE	TITLE & AUTHOR
1	10.30-10.45	IV-4	Invited speaker : Preparation of Se and S Doped FeTe and Their Superconducting Properties Soo Kien Chen, Mohd Mustafa Awang Kechik, Kean Pah Lim and <u>Abdul Halim Shaari</u>
2	10.45-11.00	IV-5	Invited speaker : Rational Design of Aromatic Surfactants for Graphene/Natural Rubber Latex Nanocomposites with Enhanced Electrical Conductivity <u>Azmi Mohamed</u>
3	11.00-11.15	O-037	Facile Synthesis of BaTiO₃ from TiO₂ Columnar Structured Films via 2 Steps Hydrothermal Routes <u>Oon Jew Lee</u> , Che Zaheerah Najeehah Che Mohd Zawawi and Mohd Sabri Mohd Ghazali
4	11.15-11.30	O-060	Preparation and Characterisation of Gellan Gum Hydrogel containing Curcumin and Limonene <u>Adila Mohd Jaafar</u>
5	11.30-11.45	O-027	Synthesis Of Magnetic Nanoparticles Deep Eutectic Solvent As Adsorbents For Removal Of Diclofenac In Environmental Samples <u>Nor Aniisah Husin</u> , Nur Nadhirah Muhammad Zain and Noorfatimah Yahaya
6	11.45-12.00	O-005	Simple μ-SPE using Composite Films for the Extraction of PAHs in Aquatic Samples <u>Saw Hong Loh</u> and Siti Nurul Umira Mohd Sabari
7	12.00-12.15	O-032	Effect of La₂O₃ Dopant on Microstructure and Electrical Nonlinearity of ZnO-CaMnO₃ Based Varistor Ceramics Mohd Sabri Mohd Ghazali, Norazwa Mohd Shukri, Wan Rafizah Wan Abdullah, Muhamad Azman Zulkifli, Oon Jew Lee and Zahid Rizwan



8	12.15-12.30	O-042	Characterization on the mechanical and physical properties of chicken skin gelatin films in comparison to mammalian gelatin films Norafidah Suderman, Mohd Ikmar Nizam Mohamad Isa and Norizah Mhd Sarbon
9	12.30-12.45	O-023	Synthesis And Characterization Of Hydrophilic Polymer Nanoparticles Using N-Isopropylacrylamide (Nipam) Via Emulsion Polymerization Technique Nurul Syafika Azmi, Nur Nasyita Kamaruddin, Syara Kassim and Noor Aniza Harun
10	12.45-13.00	O-058	Heat treatment effect to the Zn₂SiO₄ composite prepared by impregnation of ZnO on SiO₂ amorphous nanoparticles Engku Abd Ghapur Engku Ali, Khamirul Amin Matori, Elias Saion, Sidek Hj Abd Aziz, Mohd Hafiz Mohd Zaid and Ibrahim Mustapha Alibe

ORAL PRESENTATION 4

Date :26 June 2018 (Tuesday)

Time : 14.55 – 16.55 pm

Venue : Dewan Gamelan 1

Chairperson : Dr Maisara Abdul Kadir

No.	TIME	ID CODE	TITLE & AUTHOR
1	14.55-15.10	O-022	Polymer And Metallodielectric Based Photonic Crystals <u>Syara Kassim</u>
2	15.10-15.25	O-019	Preparation of Gellan Gum (GG) Film: The effect of GG, CaCl₂, Glycerol concentration and heat treatment <u>Nur Arifah Ismail</u> , Khairul Anuar Mat Amin and Mohd Hasmizam Razali
3	15.25-15.40	O-040	Synthesis and characterization of chromone-based ligand and its fluorescence property towards Zn²⁺ Yusnita Juahir, <u>Wan Mohd Hilmey W Mohd Arifin</u> , Noorshida Mohd Ali, Norlaili Abu Bakar, Mohamad Syahrizal Ahmad, Faridah Lisa Supian, Hapipah Mohd Ali and Uwaisulqarni M. Osman
4	15.40-15.55	O-025	Synthesis of phenyl pyridine iridium(III) complexes of n-heterocyclic carbene (NHC) ligands <u>Nurul Husna As Saedah Bain</u> , Noorshida Mohd Ali, Yusnita Juahir, Norhayati Hashim, Illyas Md Isa, Azmi Mohamed, Azlan Kamari and Bohari Mohd Yamin
5	15.55-16.10	O-030	Removal of cadmium using electrospun nanofibers <u>Nur Shahira Wahida Zulkefeli</u> , Soo Kar Weng and Nurul Syazana Abdul Halim



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| 6 | 16.10-16.25 | O-034 | The absolute configuration of crovatin: an ent-neo- clerodane diterpene from Croton species (Euphorbiaceae) <u>Ahmad Nazif Aziz</u> , Nor Hadiani Ismail, Khalijah Awang, Norizan Ahmat and Rohaya Ahmad |
| 7 | 16.25-16.40 | O-048 | Computational Study towards Schiff Base Derivatives Length as a Potential Recognition Layer in Electrochemical DNA Sensor <u>Hanis Mohd Yusoff</u> , Norhafiefa Hassan and Ku Halim Ku Bulat |
| 8 | 16.40 -16.55 | O-053 | 3D photonic crystals based poly (methyl methacrylate) for active photonic SERS substrates
Rabiatul Addawiyah Azwa Tahrin and Syara Kassim |



LIST OF POSTER PRESENTER

POSTER SESSION 1

iFunS 2018

25th JUNE 2018

10.00 am – 10.15 am

NO.	ID CODE	TITLE & AUTHOR
1.	P-001	Mechanical and Antibacterial Activities Study of Gellan Gum/Virgin Coconut Oil Film Embedded Norfloxacin Nur Arifah Ismail, Khairul Anuar Mat Amin, and <u>Mohd Hasmizam Razali</u>
2.	P-007	Effects of extrusion pressure and printing speed of 3D bioprinted construct on the fibroblast cells viability <u>Khalida Fakhruddin</u> , Mohd Syahir Anwar Hamzah and Saiful Izwan Abd Razak
3.	P-008	Effect of pressure and infill density parameter setting on morphological and mechanical properties of polycaprolactone printed scaffold using dekstop 3D bioprinter <u>Khalida Fakhruddin</u> , Mohd Syahir Anwar Hamzah, Muhammad Ammar' Murad, Saiful Izwan Abd Razak and Nadirul Hasraf Mat Nayan
4.	P-009	In-vitro kinetic modeling on drug release mechanism of polyvinyl alcohol/halloysite nanotubes hydrogel <u>Mohd Syahir Anwar Hamzah</u> , Khalida Fakhruddin, Wan Syahrina Hadza Wan Mohammed Nor, Saiful Izwan Abd Razak and Nadirul Hasraf Mat Nayan
5.	P-010	Loading and release of drugs inside the cavity of halloysite nanotubes <u>Izzati Fatimah Wahab</u> , Nurulhalina Zailani, Saiful Izwan Abd Razak and Nadirul Hasraf Mat Nayan
6.	P-016	Characteristics of adsorption isotherm and kinetic study for newly prepared Co²⁺-imprinted polymer linkage with dipicolinic acid Noor Fadilah Yusof, <u>Faizatul Shimal Mehamod</u> , Faiz Bukhari Mohd Suah and Maisara Abdul Kadir
7.	P-028	Review on cellulose nanocrystals (CNCs) as reinforced agent on electro spun nanofibers: mechanical and thermal properties <u>Shafizah Saadon</u> , Saiful Izwan Abd Razak and Nadirul Hasraf Mat Nayan
8.	P-031	Kinetic evaluations on adsorption of alizarin red S dye onto nickel/aluminium layered double hydroxide <u>Mazidah Mamat</u> , Nurdiyana Roslan, Mohd Aidil Adhha Abdullah and Adila Mohd Jaafar



9. **P-041** **Development and Testing of Hydraulic Ram Pump (Hydrum): Experiments and Simulations**
Mohd Munsyi Huzni, Fatihhi Szali Januddi and Zuhaila Ismail
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10. **P-045** **The physical and electrochemical characteristic of gold nanoparticles supported PEDOT/rGO composites for fuel cells.**
Nurul'Ain Basyirah Muhamad and Farhanini Yusoff
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11. **P-046** **Optical and Electrical Study of Biopolymer Based on Methylcellulose Doped with Ca(NO₃)₂**
Siti Nurhaziqah Abd Majid, Nik Aziz Nik Ali and Hasiah Salleh
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12. **P-047** **Molecular Docking, Synthesis and Inhibitory Activity of Benzamide-Indane Derivatives on PCSK9 Promoter**
Muhamad Fadzli Abd Razak, Habsah Mohamad, Tengku Sifzizul Tengku Muhammad and Lam Kok Wai
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13. **P-048** **Synthesis and characterization of alkoxy substituted p-cyano stilbene schiff bases as potential linker in electrochemical DNA sensor**
Norhafiefa Hassan, Hanis Mohd Yusoff and Rafizah Rahamathullah
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14. **P-049** **Photocatalytic activity of hydrothermally synthesized Al₂O₃-graphene nanocomposite**
Mahani Yusoff, Nik Raihan Nik Yusoff, Nur Fariha and Mohd Hasmizam Razali
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15. **P-050** **Phytochemical Investigation of Ethanolic Extract of the Leaves of *Olea europae***
Wan Mohamad Ikhmal Wan Mohamad Kamaruzzaman, Maria Fazira Mohd Fekeri, Muhamad Syazlie Che Ibrahim, Mohd Sabri Mohd Ghazali and Wan Rafizah Wan Abdullah
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16. **P-051** **Identification of functional group present in *Andrographis paniculata* (kalmegh) leaves by FTIR analysis**
Maria Fazira Mohd Fekeri, Wan Mohamad Ikhmal Wan Mohamad Kamaruzzaman, Mohd Sabri Mohd Ghazali, Muhamad Syazlie Che Ibrahim and Azila Adnan
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POSTER SESSION 2

iFunS 2018

26th JUNE 2018

10.15 am – 10.30 am

No.	ID CODE	TITLE & AUTHOR
1.	P-054	Synthesis and characterization of tri-dopant, Al-Fe-Cu-TiO₂ by in-situ hydrothermal for the degradation of methylene blue <u>Rumaizah Che Zulkifli</u> , Mohd Hasmizam Razali, Fazureen Azaman, Asmadi Ali and Mohd Al Amin Muhamad Nor
2.	P-055	Synthesis and Characterization of B-S-Codoped TiO₂ Photocatalyst with Variable Boron Concentration <u>Noor Asliza Ismail Adnen</u> , Mohd Aidil Adhha Abdullah and Mohd Al Amin Muhamad Nor
3.	P-056	Effect of Milling Time on Alumina-Titania-Carbon Nanotube by Powder Metallurgy Method Mohamad Najmi Masri, Mahani Yusoff and Nur Nazihah Nordin
4.	P-057	Comparison of physicochemical properties of iron and phosphate on borosilicate glass during immersion time in synthetic seawater Nurul Fariha Yusof, Ku Halim Ku Bulat, Nur Azam Badarulzaman and Mohd Al Amin Muhamad Nor
5.	P-059	Synthesis and crystal structure of trinuclear based coordination polymer derived from N-6-[(4-pyridylmethylamino)carbonyl]-2-pyridinecarboxylic acid methyl ester Syarifah Masuriana Tuan Mansor, Maisara Abdul Kadir, Faizatul Shimal Mehamod and Mohd Sukeri Mohd Yusof
6.	P-061	Preliminary Characteristics of ZnO Based Varistor Ceramics Muhamad Syaizwadi Shaifudin, Siti Noradilah Senin, Mohd Sabri Mohd Ghazali, Wan Rafizah Wan Abdullah, Syara Kassim and Lee Oon Jew
7.	P-068	Expression of murine polyomavirus major capsid protein VP1 with outer membrane protein H (ompH) of Pasteurella multocida Nur Diyana Ruslan, Siti Shafiqah Mohamad Zaki, Mohd Effendy Abd Wahid, Hidayatul Aini Zakaria and Siti Nor Khadijah Addis
8.	P-069	Physico mechanical, antioxidant and antibacterial properties of Aloe Vera films incorporated with cinnamon oil Keisheni Ganeson, Razifah Mohd Razali, Aidilla Mubarak, Khairul Anuar Mat Amin and Fauziah Tufail Ahmad
9.	P-070	Influence of Manuka Honey on Mechanical Performance and Swelling Behaviour of Alginate Hydrogel Film Nur Aisyah Nasuha Mohd Azam and Khairul Anuar Mat Amin



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10. **P-071** **Thidiazuron amends the organ development of endangered aquatic plant *Cryptocoryne elliptica* Hook. F**
Norhanizan Sahidin and Aziz Ahmad
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11. **P-073** **Ionic Conductivity and Structural Analysis of 2-Hydroxyethyl Cellulose Doped with Glycolic Acid Solid Biopolymer Electrolytes for Solid Proton Battery**
Muhamad Amirullah Ramlli, Nur Ain Bashirah Aniskari and Mohd Ikmar Nizam Mohamad Isa
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12. **P-074** **Review of Metal Incorporated MCM41 as Catalyst for CNTs Growth**
Amirah Ahmad, Mohd Hasmizam Razali and Khairul Anuar Mat Amin
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13. **P-075** **Determination of ionic conduction model in plasticized 2-hydroxyethyl cellulose-ammonium nitrate solid polymer electrolyte with ethylene carbonate**
Nur Hafiza Mr Muhamaruesa and Mohd Ikmar Nizam Mohamad Isa
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14. **P-077** **Synthesis and Characterisation of Ferrocene-indole Derivatives as Cytotoxic Agents**
Ken Min Liew, Tei Woo Chiat, Wan Mohd Khairul Wan Mohamed Zin and Tengku Sifizul Tengku Muhammad
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15. **P-078** **Relationship between Non-Ionizing Radiation (NIR) Exposure Level and the Base Station Tower Installation around Kuala Nerus**
Siti Nur Dianah Abdul Rahman, Nor Hazmin Sabri, Nurul Syafiqah Hasshim, Mohd Khairul Amri Kamarudin and Roslan Umar
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16. **P-079** **The Modelling of Tropical Weather Effects on Ultra-High Frequency (UHF) Radio Signals Using SmartPLS**
Roshidah Mat, Nor Hazmin Sabri, Roslan Umar, Sabri Ahmad, Marhamah Mohd Shafie and Sharifah Nurul Aisyah Syed Zafar
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17. **P-080** **Comparison of Seven Housekeeping Genes of Microalgae (*Chlorella Vulgaris*) Grown Under Nitrogen Limited Condition**
Jessreen Tega, Nor 'Awatif Che Soh, Siti Nurul Amira Noor Azman and Malinna Jusoh
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