

PROGRAMME OVERVIEW

19th August 2015 (Wednesday)	
OPENING CEREMONY (Grand Ballroom)	
15:00	Arrival of guests
15:05	Arrival of VVIP
15:15	Arrival of YBhg. Prof. Dato' Dr. Mohd. Fauzi Hj. Ramlan Vice Chancellor of Universiti Putra Malaysia
15:25	National Anthem and Putra Gemilang
15:30	Recitation of Doa
15:35	Speech by Dr. Mohd Yusoff Ishak Chairman of iENFORCE 2015
15:40	Officiating Speech by YBhg. Prof. Dato' Dr. Mohd. Fauzi Hj. Ramlan Vice Chancellor of Universiti Putra Malaysia
15:50	Opening Gimmick
16:00	VIP Conference Exhibition/Poster Tour
16:15	Refreshment Press Conference End of Opening Ceremony

19 th August 2015 (Wednesday)	
08:15 - 09:00	Registration
09:00 – 09:30	Plenary 1 (Grand Ballroom) Speaker: Prof. Dr. Yutaka Michida Chairperson: Dr. Mohd Yusoff Ishak
09:30 - 10.00	Coffee Break
10:00 - 11:30	Parallel Presentations: Session 1A, 1B, 1C & iENFORCE Innovation Challenge (IIC) Session 1A (Grand Ballroom) Chairperson: Assoc. Prof. Dr. Mohammad Firuz Ramli Session 1B (Kuala Lumpur Room) Chairperson: Assoc. Prof. Dr. Ahmad Makmom Abdullah Session 1C (Selangor Room) Chairperson: Assoc. Prof. Dr. Mohd Kamil Yusoff iENFORCE Innovation Challenge (IIC) (Penang Room) Chairperson: Assoc. Prof. Dr. Latifah Abd Manaf
11:30 - 13:00	Parallel Presentations: Session 2A , 2B, 2C Session 2A (Grand Ballroom) Chairperson: Assoc. Prof. Dr. Mohd Bakri Ishak Session 2B (Kuala Lumpur Room) Chairperson: Assoc. Prof. Dr. Mohd Rusli Yacob Session 2C (Selangor Room) Chairperson: Prof. Dr. Ahmad Ismail
13:00 - 14:30	Lunch
14.30 – 15.00	Plenary 2 (Grand Ballroom) Speaker: Prof. Dr. Ahmad Ismail Chairperson: Assoc. Prof. Dr. Ramdzani Abdullah
15:00 - 16:15	Opening Ceremony (Grand Ballroom)
16:15 - 16:30	Coffee Break
16:30 – 17:30	Poster Session/ iENFORCE Innovation Challenge (IIC) Exhibition

20 th August 2015 (Thursday)	
09:00 - 09:30	Special Slot (Grand Ballroom) Speaker: ACP Hussein Omar Khan
09:30 – 10.00	Plenary 3 (Grand Ballroom) Speaker: Prof. Lex Brown Chairperson: Assoc. Prof. Dr. Ahmad Zaharin Aris
10.00 - 10:30	Coffee Break
10:30 - 12:30	Parallel Presentations: Session 3A, 3B, and 3C Session 3A (Grand Ballroom) Chairperson: Prof. Dr. Narayanan Kannan Session 3B (Kuala Lumpur Room) Chairperson: Prof. Dr. Yutaka Michida Session 3C (Selangor Room) Chairperson: Mdm. Rosta Harun
12:30 - 14:00	Lunch
14:00 - 14:30	Special Slot (Grand Ballroom) Speaker: Mrs. Norhazni Mat Sari Chairperson: Assoc. Prof. Dr. Zelina Zaiton Ibrahim
14:30 - 16:30	Parallel Presentations: Session 4A, 4B, and 4C Session 4A (Grand Ballroom) Chairperson: Prof. Dr. Wan Nor Azmin Sulaiman Session 4B (Kuala Lumpur Room) Chairperson: Dr. Sabrina Ho Abdullah Session 4C (Selangor Room) Chairperson: Mdm. Tengku Hanidza Tengku Ismail
16:30 - 17:00	Closing Ceremony -Closing remarks -Photo session
17:00	Coffee Break Conference Ends

PROGRAMME SUMMARY

19 th August 2015 (Wednesday)				
08:15 - 09:00	Registration			
09:00 - 09.30	PLENARY 1			
09:30 - 10.00	Coffee Break			
10:00 - 11.30	Parallel Presentation: Session 1A, 1B, 1C & iENFORCE Innovation Challenge (IIC)			
	Session 1A (Grand Ballroom)	Session 1B (Kuala Lumpur Room)	Session 1C (Selangor Room)	IIC (Penang Room)
10.00 - 10.15	P1A-1	P1B-1	P1C-1	IIC-1
10.15 - 10.30	P1A-2	P1B-2	P1C-2	IIC-2
10.30 - 10.45	P1A-3	P1B-3	P1C-3	IIC-3
10.45 - 11.00	P1A-4	P1B-4	P1C-4	IIC-4
11.00 - 11.15	P1A-5	P1B-5	P1C-5	IIC-5
11.15 - 11.30	P1A-6	P1B-6	P1C-6	IIC-6
11.30 - 13.00	Parallel Presentation: Session 2A , 2B, 2C			
	Session 2A (Grand Ballroom)	Session 2B (Kuala Lumpur Room)	Session 2C (Selangor Room)	
11.30 - 11.45	P2A-1	P2B-1	P2C-1	
11.45 - 12.00	P2A-2	P2B-2	P2C-2	
12.00 - 12.15	P2A-3	P2B-3	P2C-3	
12.15 - 12.30	P2A-4	P2B-4	P2C-4	
12.30 - 12.45	P2A-5	P2B-5	P2C-5	
12.45 - 13.00	P2A-6	P2B-6	P2C-6	
13.00 - 14.30	Lunch			
14.30 - 15.00	PLENARY 2			
15.00 - 16.15	Opening Ceremony			
16.15 - 16.30	Coffee Break			
16.30 - 17.30	Poster Session/ iENFORCE Innovation Challenge Exhibition			

20 th August 2015 (Thursday)			
09:00 - 09:30	Special Slot		
09:30 - 10.00	PLENARY 3		
10.00 - 10:30	Coffee Break		
10:30 - 12:30	Parallel Presentation: Session 3A, 3B, and 3C		
	Session 3A (Grand Ballroom)	Session 3B (Kuala Lumpur Room)	Session 3C (Selangor Room)
10.30 - 10.45	P3A-1	P3B-1	P3C-1
10.45 - 11.00	P3A-2	P3B-2	P3C-2
11.00 - 11.15	P3A-3	P3B-3	P3C-3
11.15 - 11.30	P3A-4	P3B-4	P3C-4
11.30 - 11.45	P3A-5	P3B-5	P3C-5
11.45 - 12.00	P3A-6	P3B-6	P3C-6
12.00 - 12.15	P3A-7	P3B-7	P3C-7
12.15 - 12.30	P3A-8	P3B-8	P3C-8
12:30 - 14:00	Lunch		
14:00 - 14:30	Special Slot		
14:30 - 16:30	Parallel Presentation: Session 4A,4B, and 4C		
	Session 4A (Grand Ballroom)	Session 4B (Kuala Lumpur Room)	Session 4C (Selangor Room)
14.30 - 14.45	P4A-1	P4B-1	P4C-1
14.45 - 15.00	P4A-2	P4B-2	P4C-2
15.00 - 15.15	P4A-3	P4B-3	P4C-3
15.15 - 15.30	P4A-4	P4B-4	P4C-4
15.30 - 15.45	P4A-5	P4B-5	P4C-5
15.45 - 16.00	P4A-6	P4B-6	P4C-6
16.00 - 16.15	P4A-7	P4B-7	P4C-7
16.15 - 16.30	P4A-8	P4B-8	P4C-8
16.30 - 17.00	Closing Ceremony		
17.00 - 17.30	Coffee Break		

19th August 2015 (Wednesday) PLENARY 1 (Grand Ballroom)			
Speaker: Prof. Dr. Yutaka Michida Chairperson: Dr. Mohd Yusoff Ishak			

19th August 2015 (Wednesday) Session 1A (Grand Ballroom) 10:00 - 11:30 Chairperson: Assoc. Prof. Dr. Mohammad Firuz Ramli			
Time	Authors	Title	Code
10.00 – 10.15	George Varghese and Babu Alappat	MT3DMS and Genetic Algorithm in Environmental Forensic Investigations	P1A-1
10.15 – 10.30	Sharifah Mohammad Sharif, Faradiella Mohd Kusin, Zulfa Hanan Asha'Ari and Ahmad Zaharin Aris	Characterization of Water Quality Conditions in the Klang River Basin, Malaysia using Self Organizing Map and K-means Algorithm	P1A-2
10.30 – 10.45	Salisu Lawan, Wan Azlan Wan Zainal Abidin, Sirajo Lawan Bichi and Amina Muhammad Lawan	Application of Extended Feedforward Neural Network Models for Wind Resource Assessment and Mapping in Sarawak	P1A-3
10.45 – 11.00	Zahidi Hamzah, Ahmad Zaharin Aris and Mohammad Firuz Ramli	Spatial Mapping of Groundwater Salinity Using Ordinary Kriging in Terengganu and Marang River Basin, Terengganu, Malaysia	P1A-4
11.00 – 11.15	Haryati Jaafar and Dzati Athiar Ramli	Robust Syllable Segmentation Of The Automatic Frog Calls Identification System	P1A-5
11.15 – 11.30	Haruna Danladi Musa, Mohd Rusli Yacob, Ahmad Makmom Abdullah and Mohd Yusoff Ishak	Delphi method of developing environmental well-being indicators for the evaluation of urban sustainability in Malaysia	P1A-6

19th August 2015 (Wednesday) Session 1B (Kuala Lumpur Room) 10:00 - 11:30 Chairperson: Assoc. Prof. Dr. Ahmad Makmom Abdullah			
Time	Authors	Title	Code
10.00 – 10.15	Danladi Yusuf Gumel, Mahmud Mohammed Bose, Ahmad Makmom Abdullah and Rosta Harun.	Determinant of farmers' adaptation to climate change: evidence from the semi-arid zone of north-eastern Nigeria	P1B-1
10.15 – 10.30	Nor Azrita Mohd Amin, Mohd Bakri Adam and Ahmad Zaharin Aris.	Bayesian Extreme for Modeling High PM10 Concentration in Johor	P1B-2
10.30 – 10.45	Andrew Dana Wesley and Juliana Jalaludin.	Indoor Air Pollutants Exposure and Eosinophil Cationic Protein (EC) as Upper Airway Inflammatory Biomarker among Malay Preschool Children in Selangor	P1B-3
10.45 – 11.00	Nurul Izzati Mat Akhir, Faradiella Mohd Kusin and Ferdaus Mohamat-Yusuff.	Impact of Nitrogen Fertilizer Application on Nitrous Oxide Emission in Oil Palm Plantation	P1B-4
11.00 – 11.15	Chua Poh Choo, Juliana Jalaludin, Titi Rahmawati Hamedon and Nor Mariah Adam.	Preschools' Indoor Air Quality and Respiratory Health Symptoms among Preschoolers in Selangor	P1B-5
11.15 – 11.30	Muhammad Zulhilmi Zainal Abidin	Study on environmental fate of Lambda chlothrin in soil samples of palm oil agroenvironment	P1B-6

19th August 2015 (Wednesday) Session 1C (Selangor Room) 10:00 - 11:30 Chairperson: Assoc. Prof. Dr. Mohd Kamil Yusoff			
Time	Authors	Title	Code
10.00 – 10.15	Budi Setiawan.	Sorption of ¹³⁷ Cs And ⁹⁰ Sr into Rembang and Sumedang Soils	P2C-1
10.15 – 10.30	Seca Gandaseca, Nur Liyana Abd Wahab, Ahmad Mustapha Mohamad Pazi and Noraini Rosli.	Comparison of water quality status of disturbed and undisturbed mangrove forest at Awat-Awat Lawas Sarawak	P2C-2
10.30 – 10.45	Fatimah Hashim, Nur Athirah Abdul Rahman and Nakisah Mat Amin.	Morphological Analysis on Effect of Manganese Toxicity on Acanthamoeba sp. isolated from Setiu Wetland: An in vitro study	P2C-3
10.45 – 11.00	Hazlina Ahamad Zakeri, Luqman Abu Bakar and Nakisah Mat Amin.	Impact of mercury(II) nitrate on physiological and biochemical characteristics of selected marine algae of different classes	P2C-4
11.00 – 11.15	Mohd Yusoff Ishak and Zarith Sufiani Baharom.	Determination of heavy metal accumulation in fish species in Galas river, Kelantan and Beranang mining pool, Selangor	P2C-5
11.15 – 11.30	Zafira Madzin, Faradiella Mohd Kusin and Mohd Fitri Shai-In.	Comparing heavy metal mobility in active and abandoned mining sites at Bestari Jaya, Selangor	P2C-6

19th August 2015 (Wednesday) iENFORCE Innovation Challenge (IIC) (Penang Room) 10:00 - 11:30			
Time	Authors	Title	Code
10.00 – 10.15	Asrudin Mat Ali, Muhammad Zainul Ariffin Saadan, Muhammad Azri Nasir	Arang Bio: Sisa sekam padi dan tempurung kelapa	IIC-1
10.15 – 10.30	Murugan Krishnan, Mageswaran A/L Krishnan, Mohd Azrul Azdli Shamsul	Kompleks Sukan Hybrid	IIC-2
10.30 – 10.45	Firdaus Mohamed Sahid, Syukrul Hassani Jamaludin, Sheikh Mohamad Naim Shikh Shatir, Muhammad Ilman Elhami Marzuki, Nur Imanina Bakhtiar	Pembangunan Robot Inovasi untuk Mengutip Sampah Terapung di Kawasan Banjir	IIC-3
10.45 – 11.00	Nor Akma Abd Shukor, Tuan Ariff Najmi Tuan Zahapar, Alif Najmi Hamid	Eko Terrarium	IIC-4
11.00 – 11.15	Mohd Fazli Abd Rahman, Mohd Najib Abu Bakar, Muhammad Fairuz Alwee, Muhammad Zulizzat Roslan, Mohd Fikri Mansor	Green Kinetic Energy	IIC-5
11.15 – 11.30	Nur Hanani Daud, Mahanon Muhammad, Mohd Hafizuddin Mohd Fazeli, Mohd Faris Zainudin, Hussaini Hafiz Hussin	Rekabentuk Papan Kenyataan Serap Bunyi Menggunakan Sisa Domestik	IIC-6

19th August 2015 (Wednesday) Session 2A (Grand Ballroom) 11:30 - 13:00 Chairperson: Assoc. Prof. Dr. Mohd Bakri Ishak			
Time	Authors	Title	Code
11.30 – 11.45	Suman Adhikari.	Concept Paper For Utilisation Of Solid Waste In Kathmandu, Nepal For The Generation Of Electricity In Kathmandu, Nepal	P2A-1
11.45 – 12.00	Sharmilah Kumari and Narayanan Kannan	Demographic Antecedents, Culture, and Big Five Personality Traits on Household Waste Prevention Behaviors	P2A-2
12.00 – 12.15	Mohamed Yasreen Mohamed Ali, Mushrifah Idris, Marlia Mohd Hanafiah and Khai Ern Lee.	Bio-Methane Potential Test to Measure Biogas Production Using Industrial Inoculum & Traditional Bokashi as Catalyst from Goat Dungs and Chicken Droppings	P2A-3
12.15 – 12.30	Chakrin Utit, Mohd Yusof Saari, Azman Hassan and Tengku Hanidza Tengku Ismail.	Measuring the Embodied Waste among Industries in Malaysia	P2A-4
12.30 – 12.45	Noorhidayah Cje Jamin and Noor Zalina Mahmood.	Hazardous waste management in Malaysia: A case study on cement manufacturing	P2A-5
12.45 – 13.00	Ah Bu-Olayan and Bv Thomas.	Optimizing the analysis of ultra-trace mercury in hazardous wastes from scenic beaches	P2A-6

19th August 2015 (Wednesday) Session 2B (Kuala Lumpur Room) 11:30 - 13:00 Chairperson: Assoc. Prof. Dr. Mohd Rusli Yacob			
Time	Authors	Title	Code
11.30 – 11.45	Abdullahi Adamu, Mohd Rusli Yacob, Alias Radam, Shehu Usman Adam and Rohasliney Hashim.	Economic valuation of ecotourism resources in Yankari game reserve, Bauchi Nigeria	P2B-1
11.45 – 12.00	Faizah Shahudin, Amin Mahir Abdullah, Alias Radam and Ismail Latif.	Economic Impact of Agritourism: Estimating Employment and Income Multipliers of Homestay Programme in the Rural Area of Selangor, Malaysia	P2B-2
12.00 – 12.15	Armira Iasha, Mohd Rusli Yacob, Ibrahim Kabir and Alias Radam.	Estimating Economic Value for Potential Ecotourism Resources in Puncak Lawang Park, Agam District, West Sumatera, Indonesia	P2B-3
12.15 – 12.30	Mei Kuang Siew, Mohd Rusli Yacob, Alias Radam, Abdullahi Adamu and Emmy Farha Alias.	Estimating willingness to pay for wetland conservation: a contingent valuation study of Paya Indah wetland, Selangor Malaysia	P2B-4
12.30 – 12.45	Mukrimah Abdullah, Mohd Parid Mamat, Mohd Rusli Yacob, Alias Radam and Lim Hin Fui.	Estimate the Conservation Value of Biodiversity in National Heritage Site: A case of Forest Research Institute Malaysia	P2B-5
12.45 – 13.00	Rosnaini Che Hasan, Halmi Kamaruddin, Zulkiflee Abd Latif	Tree height estimation for quantifying biomass and carbon stock of <i>Hevea Brasiliensis</i>	P2B-6

19th August 2015 (Wednesday)
Session 2C (Selangor Room) 11:30 - 13:00
 Chairperson: Prof. Dr. Ahmad Ismail

Time	Authors	Title	Code
11.30 – 11.45	Amirul Azuan Md Joni, Syaizwan Zahmir Zulkifli, Ferdaus Mohamat Yusuff, Munirah Hanapiah, Aqilah Mukhtar and Ahmad Ismail.	Utilization of dual stable isotope markers ($\delta^{13}\text{C}$ and $\delta^{15}\text{N}$) to determine trophic structure in aquatic environment of a Malaysian peat swamp forest	PIC-1
11.45 – 12.00	Abdul Hafidz Yusoff, Syaizwan Zahmir Zulkifli, Ahmad Ismail and Che Abd Rahim Mohamed.	Vertical trend of trace metals deposition in sediment core off Tanjung Pelepas harbour, Malaysia	PIC-2
12.00 – 12.15	Ferdaus Mohamat Yusuff, Hock Guan Lee, Siti Suhaiba Mastor, Syaizwan Zahmir Zulkifli, Mohammad Noor Amal Azmai and Ahmad Ismail.	Lethal Toxicity Effect of Tributyltin Chloride on Two Different Small Fishes, <i>Oryzias javanicus</i> and <i>Poecilla reticulata</i>	PIC-3
12.15 – 12.30	Rahanim Amil and Khairul Nizam Mohamed.	Nutrients enrichment experiment on seawater samples at Pulau Perhentian, Terengganu	PIC-4
12.30 – 12.45	Siti Suhaiba Mastor, Syaizwan Zahmir Zulkifli, Ferdaus Mohamat Yusuff, Fatin Zahidah Abdul Aziz and Ahmad Ismail.	Gonadal histology associated with tributyltin accumulation in Javanese medaka (<i>Oryzias javanicus</i>)	PIC-5
12.45 – 13.00	Zolhizir Daud and Che Abd Rahim Mohamed.	Anthropogenic lanthanum and gadolinium in dissolved and suspended particulate matters	PIC-6

		partitioning at Sungai Balok, Kuantan Pahang: before and during northeast monsoon	
--	--	---	--

19th August 2015 (Wednesday) PLENARY 2 (Grand Ballroom)
Speaker: Prof. Dr. Ahmad Ismail Chairperson: Assoc. Prof. Dr. Ramdzani Abdullah

20 th August 2015 (Thursday) SPECIAL SLOT (Grand Ballroom)
Speaker: ACP Hussein Omar Khan Chairperson: Assoc. Prof. Dr. Ahmad Zaharin Aris

20 th August 2015 (Thursday) PLENARY 3 (Grand Ballroom)
Speaker: Prof. Lex Brown Chairperson: Assoc. Prof. Dr. Ahmad Zaharin Aris

20 th August 2015 (Thursday) Session 3A (Grand Ballroom) 10:30 - 12:30 Chairperson: Prof. Dr. Narayanan Kannan			
Time	Authors	Title	Code
10.30 – 10.45	Terence Ricky Chiu, Nurul Fathihah Mt Nanyan and Masni Mohd Ali.	Distribution of Polycyclic Aromatic Hydrocarbons (PAHs) in Surface Sediments of Pulau Kapas, Terengganu, Malaysia	P3A-1
10.45 – 11.00	Ananthiy Retnam, Azlina Mohd Kassim and Wan Kamaruzaman Wan Ahmad.	Fingerprinting of light fuel oil: A Malaysia case study	P3A-2
11.00 – 11.15	Munirah Abdul Zali, Wan Kamaruzaman Wan Ahmad, Ananthiy Retnam, Azlina Md Kassim and Ng Catrina.	Concentrations of heavy metals in virgin, used, recovered and waste oil: A spectroscopic study	P3A-3

11.15 – 11.30	Shireen Shaharina Mohamed Shamaun, Nur'Ashiqin Mohd Ridzuan Nirmal and Haji Abdul Hafiz Haji Abdul Malek.	A new approach of identifying estrogenic endocrine disrupting compounds (eEDCs) in local wastewater	P3A-4
11.30 – 11.45	Khai Ern Lee, Marlia Mohd Hanafiah, Azhar Abdul Halim and Mohd Hafiyyan Mahmud.	Primary Treatment of Dye Wastewater Using Aloe vera- Aided Aluminium and Magnesium Hybrid Coagulants	P3A-5
11.45 – 12.00	Soerja Koesnarpadi, Sri Juari Santosa, Dwi Siswanta and Bambang Rusdiarso.	Synthesis and characterizatation of magnetite nanoparticle coated humic acid (Fe ₃ O ₄ /HA)	P3A-6
12.00 – 12.15	Mohammed Umar Mustapha and Normala Bint Halimoon.	Screening And Isolation Of Heavy Metal Tolerant Bacteria In Industrial Waste Water	P3A-7
12.15 – 12.30	Seca Gandaseca, Muhammad Nazrin Syafiq Zulkipli and Ahmad Mustapha Mohamad Pazi.	Assessment of nutrient concentration in mangrove forest soil at Awat-Awat Lawas Sarawak	P3A-8

20th August 2015 (Thursday) Session 3B (Kuala Lumpur Room) 10:30 - 12:30 Chairperson: Assoc. Prof. Dr. Shahrin Ibrahim			
Time	Authors	Title	Code
10.30 – 10.45	Radin Maya Saphira Radin Mohamed, Najeeha Mohd Apandi, Hazel Monica Matias Peralta and Amir Hashim Mohd Kassim.	Removal of Nutrients from Cafeteria Wastewater by using Different Concentrations of Microalga Scenedesmus sp.	P3B-1
10.45 – 11.00	Anwaruddin Ahmed Wurochekke, Radin Maya Saphira Radin Mohamed, Hauwa Atiku, Suriani Sharuddin and Amir Hashim Mohd. Kassim.	Improvement of Bathroom Greywater Quality after Phycoremediation with Microalgae Botryococcus sp.	P3B-2

11.00 – 11.15	Jais Noor Maisara, Radin Mohamed Radin Maya Saphira, Radzuan Rosmawanie, Alias Mohamad Fakhrul Zahin and Hazel Monica Matias- Peralta.	Characterization of effluent quality from wet market operation	P3B-3
11.15 – 11.30	Nur Atikah Ahmad Latiffi, Nor Fadzilah Pahazri, Radin Maya Saphira Radin Mohamed, Ramlah Mohd Tajuddin and Amir Hashim Mohd Kassim.	Identification of Wastewater Effluent Quality from Meat Processing Facility	P3B-4
11.30 – 11.45	Ummu Amirah Armayni, Mohd Sharil Ahmad, Nuruljannah Md Yusof, Hannis Fadzillah Mohsin and Ibtisam Abdul Wahab.	The Identification of Biphenyl from Pandanus Pygmaeus	P3B-5
11.45 – 12.00	Fazilah Ariffin, Darah Ibrahim and Noraznawati Ismail.	Phenanthrene Biodegradation Capacities of Indigenous Bacterial Species Isolated From Contaminated Soil	P3B-6
12.00 – 12.15	Duvjir Suvd, Rendoo Davaadorj, Dayanjav Baatartsol, Surenjav Unursaikhan, Myagmar Tsengelmaa, Tsogbayar Oyu, Sonom Yunden, Ana M. Hagan-Rogers and Stephan Böse-O'reilly.	Toxicity assessment in artisanal miners from low- level mercury exposure in Bornuur and Jargalant soums of Mongolia	P3B-7
12.15 – 12.30	Ahmad Fahad, Zulkifly Abbas, Mohamad Faiz Zainuddin, Suzan Jabbar Obaiys, Abu Bakar Yakubu and Aysar Keiteb.	Dielectric characterization of oil palm fiber reinforced polycaprolactone-nickel oxide composite at microwave frequency	P3B-8

20th August 2015 (Thursday) Session 3C (Selangor Room) 10:30 - 12:30 Chairperson: Mdm. Rosta Harun			
Time	Authors	Title	Code
10.30 – 10.45	Muhammed Siddik A., George Varghese and Babu Allapat.	Environmental Forensics in India –Four years after the National Green Tribunal Act, 2010	P3C-1
10.45 – 11.00	Yin-Hui Leong, Chee-Yuen Gan and Mohamed Isa Abdul Majid.	A short review of environmental policy of dioxins/furans and PCBs in Malaysia: issues, monitoring and strategies	P3C-2
11.00 – 11.15	Jinan Mohamad Pauzi.	Legal status of chemical fingerprints under Section 45 of Malaysia's Evidence Act 1950	P3C-3
11.15 – 11.30	Mohammad Hossein Mohammadi Ashnani, Anwar Johari, Tahere Miremadi and Afshin Danekar.	Environmental impact of alternative fuels and vehicle technologies: A Life Cycle Assessment perspective	P3C-4
11.30 – 11.45	Amir Hamzah Sharaai, Anuar Mohd Mokhtar, Ng W.J and Nur Afiqah Azali.	Determining the primary factor contributed to household carbon emission by using Structural Equation Modelling (SEM)	P3C-5
11.45 – 12.00	Herni Halim, Ramdzani Abdullah, Abang Abdullah Abang Ali and Mohd. Jailani Mohd. Nor.	Effectiveness of Existing Noise Barriers: Comparison between vegetation, Concrete Hollow Block, and Panel Concrete	P3C-6

20th August 2015 (Thursday) SPECIAL SLOT (Grand Ballroom)	
Speaker: Mrs. Norhazni Mat Sari Chairperson: Assoc. Prof. Dr. Zelina Zaiton Ibrahim	

20th August 2015 (Thursday) Session 4A (Grand Ballroom) 14:30 - 16:30 Chairperson: Prof. Dr. Wan Nor Azmin Sulaiman			
Time	Authors	Title	Code
14.30 – 14.45	Richard Adesiji, Mohammed Ahmed Thamer, Mustapha Saari, Norsyahariat Nik Daud, Rory Padfield, Alexander Sayok and Stephaine Evers.	Investigating The Influence Of Rainfall On Soil Carbon Quantity In a Tropical Peatland	P4A-1
14.45 – 15.00	Lloyd Ling and Zulkifli Yusop.	The Regional Calibration of a Rainfall-Runoff Prediction Model	P4A-2
15.00 – 15.15	Erni S Butar Butar, Marisa Handajani, Dhemi Harlan and Arwin Sabar.	Hydrological regime of Mahakam River Basin Upstream	P4A-3
15.15 – 15.30	Anuar Sefie, Ahmad Zaharin Aris and Mohd Khairul Nizar Shamsuddin.	A study on the hydrogeology and hydrogeochemistry of groundwater from different aquifer in Lower Kelantan Basin, Kelantan, Malaysia.	P4A-4
15.30 – 15.45	Azrul Normi Idris, Ahmad Zaharin Aris, Ismail Tawnie, Mohd Khairul Nizar Shamsuddin and Anuar Sefie.	Geochemistry of the Hydrogeological reserve of Salang Village, Tioman Island, Pahang	P4A-5

15.45 – 16.00	Hasrul Hazman Hasan, Nor Rohaizah Jamil and Norfadilah Aini.	Water quality index and sediment loading analysis in Pelus River, Perak, Malaysia	P4A-6
16.00 – 16.15	Muhammad Muaz Aminordin and Marlia Mohd Hanafiah.	Water Footprint of Selected Crops Cultivation in Malaysia	P4A-7

20th August 2015 (Thursday) Session 4B (Kuala Lumpur Room) 14:30 - 16:30 Chairperson: Dr. Sabrina Ho Abdullah			
Time	Authors	Title	Code
14.30 – 14.45	Asrin Karimi and Khalid Abdul Rahim.	Classification of External Stakeholders in Green Supply Chain Management	P4B-1
14.45 – 15.00	Mehdi Rakhshandehroo, Mohd Johari Mohd Yusof, Osman Mohd Tahir and Mohd Yazid Mohd Yunos.	Sustainable Urban Open Green Spaces: Opportunities and Challenges	P4B-2
15.00 – 15.15	Jamilah Othman	Assessing Scenic Beauty of Nature-Based Landscapes of Fraser's Hill	P4B-3
15.15 – 15.30	Azila Ahmad Sarkawi and Alias Abdullah.	Assessing a Concept of Sustainability from the Islamic Worldview	P4B-4
15.30 – 15.45	Norimah Md Dali, Assoc. Prof. Dr Azila Ahmad Sarkawi and Prof. Dato' Dr. Alias Abdullah.	Malaysian Environmental Sustainability Indices: An Assessment	P4B-5

15.45 – 16.00	Zeinab Zaremohzzabieh, Bahaman Abu Samah, Siti Zobidah Omar, Jusang Bolong and Hayrol Azril Mohamed Shaffril.	Using ICT to Assess Natural Capital for Sustainable Livelihood in Malaysia	P4B-6
16.00 – 16.15	Seyedali Ahrari, Jamilah Bt. Othman, Bahaman Abu Samah, Md. Salleh Hassan and Jeffrey Lawrence D'silva.	Mapping Environmental Citizenship in Higher Education	P4B-7
16.15 – 16.30	Sara Kaffashi, Mad Nasir Shamsudin, Abdullatif Bazrbachi, Alias Radam, Shaufique Fahmi Sidique and Khalid Abdul Rahim.	Car Commuters Characteristics and Willing to Modal Shift in Klang Valley, Malaysia	P4B-8

20th August 2015 (Thursday) Session 4C (Selangor Room) 14:30 - 16:30 Chairperson: Mdm. Tengku Hanidza Tengku Ismail			
Time	Authors	Title	Code
14.30 – 14.45	Khai Ern Lee, Mazlin Mokhtar, Choo Ta Goh and Marlia Mohd Hanafiah.	A Conceptual Framework for the Adoption and Implementation of Product Stewardship in the Chemical Industries	P4C-1
14.45 – 15.00	Azman Hassan, Tengku Hanidza Tengku Ismail, M.Yusof Saari and Mohd Armi Abu Samah.	Public Response to the Rare Earth Industries in Malaysia	P4C-2
15.00 – 15.15	Nor Amani Filzah Mohd Kamil, Meizareena Mizad and Suhaimi Abdul Talib.	Development on Guidelines for Remediation of Contaminated Land	P4C-3

15.15 – 15.30	Milad Ahmadi, Arian Haddadian and Shayan Dehghan.	Environmental and occupational health concerns of solar industry toward sustainability	P4C-4
15.30 – 15.45	Siti Zulfa Zaidon, Hazwanee Hamsan and Yu Bin Ho.	Health risk assessment of pesticide residues in fruits and vegetables in Malaysia.	P4C-5
15.45 – 16.00	Mykhailo Tolstoy, Natalia Kostenko, Oleksandr Shabatura and Liliana Kuziv.	An Approach To Selection Suitable Places Of Radioactive Waste Disposal Using Petrophysical Parameters	P4C-6
16.00 – 16.15	Malarvili Ramalingam, Andrea Hinwood, Mary Boyce and Peter McCafferty.	Analytical Performance of Modified Blood Digestion Procedures for Multi-Element Measurement by ICP-MS	P4C-7

19th August 2015 (Wednesday) Poster Presentation 16:30 – 17:30		
Authors	Title	Code
Nur Khaliesah Abdul Malik, Sabrina Ho Abdullah and Latifah Abd Manaf.	Community participation on solid waste segregation through recycling programmes in Putrajaya	P1
Tengku Hanidza Tengku Ismail, Hafizan Juahir, Sharifuddin M Zain and Mohd Armi Abu Samah.	Lynas Advance Material Plant (LAMP) Project: The Influence of Public Perception on Risk Acceptance by the Host Community	P2
Mehrzaad Keshavarzifard, Mohamad Pauzi Zakaria, Sadeq A. A. Alkhadher, Sami M. Magam, Najat Masood and Fatemeh Abootalebi-Jahromi.	Aliphatic Hydrocarbons in Surface Sediments from the Kedah and Merbok Rivers and Estuaries, Peninsular Malaysia	P3
Rohasliney Hashim and Nor Fakira Ismail.	Fish biomass in relation to water quality index as an indication of fisheries productivity of four selected fishes along the Galas River, Kelantan, Malaysia	P4
Hosea Kato Mande, Ahmad Makmom Abdullah, Ahmad Zaharin Aris and Ahmade Ainuddin Nuruddin.	Forest Biomass and Soil Properties Influence on Soil Nutrients in Dipterocarpus Baudii and Verruscus Trees Species in the Tropical Rainforest	P5
Ngbeken Monday, Amir Hamzah Sharaai and Rosta Harun.	The needs for Sustainability Approach in Agricultural Development	P6
Shah Christirani Azhar, Ahmad Zaharin Aris and Mohammad Firuz Ramli.	Classification Of River Water Quality Using Multivariate Analysis	P7

Mohd Asrul Jamalani and Ahmad Makmom Abdullah.	Spatial-temporal of monthly PM10 in ambient air of Klang Valley, Malaysia	P8
Haris Hafizal Abd Hamid, Wan Wan Lim, Ignatius Ren Kai Phang, Mohd Talib Latif and Narayanan Kannan.	Distribution of gas phase polycyclic aromatic hydrocarbons (PAHs) in selected indoor and outdoor air samples of Malaysia	P9
Siti Nazziera Mokhtar, Noor Zalina Mahmood and Che Rosmani Che Hassan.	Identifying Activities That Contribute To The Generation of Refurbishment Waste At Site	P10
Ley Juen Looi, Ahmad Zaharin Aris, Tzu Shan Ng, Fatimah Md. Yusoff and Zailina Hashim.	Geochemical Modeling of Elements Species in Selected Tropical Estuaries and Coastal Water of the Strait of Malacca	P11
Nur Farahin Harun, Ferdaus Mohamat Yusuff, Faradiella Mohd Kusin, Salwana Halis, Nurul Izzati Mat Akhir, Syaizwan Zahmir Zulkifli and Muhamad Awang.	Plant Diversity in Oil Palm Plantation Based On Oil Palm Age and Land Use History	P12
Nur Diyana Mohamad, Zulfa Hanan Ash'Aari and Melawani Othman.	Preliminary Assessment of Air Pollutant Sources Identification at Selected Monitoring Stations in Klang Valley, Malaysia	P13
Melawani Othman, Zulfa Hanan Ash'Aari and Nur Diyana Mohamad.	Long-term Daily Rainfall Pattern Recognition: Application of Principal Component Analysis	P14
Hasrul Hazman Hasan, Nor Rohaizah Jamil and Norfadilah Aini.	Analysis Of Seasonal Variation On River Hydromorphology In Pelus River, Perak, Malaysia	P15
Natcha Leevisitpattana, Tassanee Mongkolrat, Sabrina J. Ho Abdullah	The “in school time” behaviour practicing in holistic high school student development program for supporting household environmental	P16

and Khounjai Tongtawee.	management	
Natcha Leevisitpattana, Sabrina J. Ho Abdullah, Ramdzani Abdullah and Jusang Bin Bolong.	The “after school time” behaviour practicing in holistic high school student development program for supporting household environmental management	P17
Norfadilah Aini, Nor Rohaizah Jamil, Fasihah Mohd Yusof and Hasrul Hazman Hasan.	Seasonal Characterization Hydromorphology in Galas River, Kelantan	P18
Mohd Syakirin Md Zahar, Faradiella Mohd Kusin and Siti Nurjaliah Muhammad.	Adsorption of manganese in aqueous solution by steel slag	P19
Siti Nurjaliah Muhammad, Faradiella Mohd Kusin and Mohd Syakirin Md Zahar.	Passive treatment of acid mine drainage using mixed substrates: batch experiments	P20
Rozihawati Zahari, Normala Halimoon, Ahmad Said Sajap and Mohd Farid Ahmad.	Effectiveness of Catharanthus roseus extract as a biofungicide for controlling Rigidoporus microporus on rubber (Hevea brasiliensis) seedlings	P21
Mariani Ariffin and Siti Norhafizah M Sulaiman.	Regulating Sewage Pollution of Malaysian Rivers and Its Challenges	P22
Rahimah Mohamed Don and Rosta Harun.	Valuing Pro-Environmental Behaviour In Green Building Offices: A Case Study on Office Employees from Work to Home	P23
Nuruljannah Khairuddin, Latifah Abd Manaf, Normala Halimoon, Wan Azlina Waan Abd Karim Ghani and Mohd Ali Hassan.	Biomethane Potential and Biodegradability of High Solid Anaerobic Co-digestion of Household Organic Waste with Cow Manure	P24
Golyasamin Khanehzaei, Mohd	Prospects and challenges of clinical waste management in private clinics in	P25

Bakri Ishak, Ahmad Makmom Hj Abdullah and Latifah Abd Manaf.	Selangor, Malaysia	
Nordiani Sidi and Ahmad Zaharin Aris.	Influential Factors On The Cation Exchange Capacity In Sediment Of Merambong Shoal, Johor.	P26
Sharifah Nur Munirah Syed Hasan, Rosta Harun and Kuang Hock Lim.	Application of Theory of Planned Behavior in Measuring the Behavior to Reduce Plastic Consumption among Students at Universiti Putra Malaysia, Malaysia	P27
Maher Aburas, Sabrina Abdullah, Mohammad Ramli and Zulfa As'Shari.	Land Suitability Analysis for Urban Growth Using GIS-based Analytic Hierarchy Process	P28
Amirul Azuan Md Joni, Sara Azuana Khalidah Khalid, Ferdaus Mohamat Yusuff, Ahmad Zaharin Aris, Khairul Nizam Mohamed, Faradiella Mohd Kusin and Syaizwan Zahmir Zulkifli.	Total Organic Carbon (TOC) on the Surface Sediment as Environmental Characterization Analysis: A Preliminary Study for Proposed Cultivation Area for Blood Cockle (<i>Anadara granosa</i>)	P29
Wong Sem Nee, Lum Mun Hong, Thai Kar Mun, Wong Siew Yien and Amir Hamzah Sharaai.	Water conservation practices among higher education students	P30
Ong Jing Yi, Mohd Sukri Mat Nawi, Nur Nashatulazwa Marzuki, Intan Fadzilah Azmi, Nur Syahirah Samsuddin and Amir Hamzah Sharaai.	Social Influence: Perspective Of Student Fpas In Environmental Protection	P31
Abdussamad Abubakar, Ferdaus Mohamat Yusuff, Muskhazli Mustafa, Wan Lutfi Wan Johari, Syaizwan Zahmir Zulkifli and	Isolation, Screening and Identification of Potential TBT-degrading Bacteria Using 16S rRNA	P32

Ahmad Ismail.		
Ang Kean Hua and Faradiella Mohd Kusin.	A Review in Analysis and Detection of Water Quality Parameters in Malacca River. Case Study: A Preliminary Finding	P33
Khairul Nizam Mohamed and Martha Gledhill.	Determination of specific iron chelator by using LC-ICP-MS and LC-ESI-MS	P34
Munirah Hanapiah, Syaizwan Zahmir Zulkifli, Amirul Azuan Md Joni, Aqilah Mukhtar, Ferdaus Mohamat Yusuff, Ahmad Ismail and Nobuyuki Miyazaki.	Suitability of Stable Isotope Analysis to Determine Trophic Structure in a Mangrove-Intertidal Mudflat of Johor Strait	P35
Najla Mohamed Abu Shaala, Syaizwan Zahmir Zulkifli, Ahmad Ismail, Mohammed Noor Amal Azmai and Ferdaus Mohamat Yusuff.	Lethal concentration 50 (LC50) and effects of Diuron on morphology of brine shrimp <i>Artemia salina</i> (Branchiopoda: Anostraca) nauplii	P36
Nor Rohaizah Jamil, Muhammad Shafiq Ruslan, Mushrifah Idris and Norfadilah Aini.	Soil Loss Risk Analysis in a UNESCO Biosphere Reserve Site	P37
Nor Farhanna Mokhtar and Ahmad Zaharin Aris.	Preliminary Study of Heavy Metal (Zn, Pb, Cr, Ni) Contaminations in Langat River Estuary, Selangor	P38
Noorain Mohd Isa and Ahmad Zaharin Aris.	Identification of saltwater intrusion/assessment scheme in groundwater using the role of empirical knowledge	P39
Ferdaus Mohamat Yusuff, Prasad Selvahghanesh, Harino Hiroya, Yatsuzukad Emi, Syaizwan Zahmir Zulkifli and Ahmad Ismail.	Status of butyltins contamination in sediments from Kong Kong Laut, Johor after 5 Years of Global Banning	P40

Mohd Rusli Jacob, Ibrahim Kabir and Alias Radam.	Households Willingness to Accept Collection and Recycling of Waste Cooking Oil for Biodiesel Input in Petaling District, Selangor, Malaysia	P41
Noor Diyana Ismail Ismail, Khairul Izzuddin Muhammad and Amir Hamzah Sharaai Sharaai.	Estimating The Amount of Water Usage From The Life Cycle of Soy Sauce Using Water Footprint Method	P42
Zufarzaana Zulkeflee, Jinan Mohamad Pauzi, Mohd Kamil Yusoff and Nor Rohaizah Jamil.	Cost of water acquisition from forested watershed	P43
Mohd Rahmat Ramathani, Jivantiran a/l Myilravanan, Wong Kok Fah	Analysis dioxins and furans emissions from incineration industries in malaysia	P44
Azlina M. Kassim1, Nuwaira M. Amin and Wan Kamaruzaman W. Ahmad	Source Identification of Oil Spill in East Coast via Chemical Fingerprinting Analysis	P45
Lim Hooi Sung, Faridah Abdul Rahim and Haslina Abdullah	Comparison between active and passive sampling of air pollutants in an urban region	P46
Nur Shafarina Rashid, Sarva Mangala Praveena and Ahmad Zaharin Aris	Drinking water assessment on ammonia exposure through tap water in Kampung Sungai Sekamat, Kajang	P47
Nura Kumr Kura, Mohammad Firuz Ramli, Wan Nor Azmin Sulaiman, Shaharin Ibrahim, Ahmad Zaharin Aris and Tahoora Sheikhy Narany	Spatiotemporal variations in groundwater chemistry of a small tropical island using graphical and geochemical models	P48

ENFORCE 2013 PROGRAMME COMMITTEE

Patron

Prof. Datuk Dr. Mohd Fauzi Hj Ramlan
Vice Chancellor, Universiti Putra Malaysia

Advisor

Assoc. Prof. Dr. Ramdzani Abdullah
Dean, Faculty of Environmental Studies, Universiti Putra Malaysia

Members of International Advisory Board

Assoc. Prof. Dr. Ahmad Zaharin Aris (Malaysia)
Dr. Ioana G Petrisor (USA)
Prof. Dr. Wong Ming Hung (China)
Prof. Dr. Donghao Li (China)
Prof. Dr. Claire de Burbure (Belgium)
Assoc. Prof. Dr. Voravit Cheevaporn (Thailand)

Scientific Committee

Assoc. Prof. Dr. Ahmad Zaharin Aris (Chair)
Assoc. Prof. Dr. Mohamad Firuz Ramli
Prof. Dr. Kannan Narayanan
Dr. Mohd Yusoff Ishak
Mdm. Tengku Hanidza Tengku Ismail
Mdm. Rosta Harun

ORGANIZING COMMITTEE

Chairman

Dr. Mohd Yusoff Ishak

Co-Chairman 1

Dr. Wan Lutfi Wan Johari

Co-Chairman 1

Assoc. Prof. Dr. Mohamad Firuz Ramli

Organizing Committee

Dr. Ferdus @ Ferdaus Mohamat Yusoff

Dr. Zulfa Hanan Asha'ari

Dr. Faradiella Mohd Kusin

Dr. Mariani Ho Nyuk Onn @ Ariffin

Dr. Zufarzaana Zulkeflee

Dr. Nor Rohaizah Jamil

Dr. Normala Halimoon

Dr. Jinan Mohamad Pauzi

Dr. Rohasliney Hashim

Dr. Sabrina Ho Abdullah

Dr. Mohammad Faiz Zainuddin

Assoc. Prof. Dr. Latifah Abd Manaf

Dr. Amir Hamzah Sharaai

Dr. Khairul Nizam Mohamed