

Detailed Schedule — Oral Presentation

DAY 1: 13 SEPTEMBER 2021 (MONDAY)

PLENARY LECTURE

ROOM 1		
Chairperson: Professor Dr Noorsaadah Abdul Rahman (Universiti Malaya)		
Time	Code	Title
09.00 am - 09.45 am	Plenary	Environmental Emerging Pollutants: Issues, Approaches and Solutions Professor Dr Ahmad Zaharin Aris (Universiti Putra Malaysia)

ORAL PRESENTATION

ROOM 1		
Session Chairperson: Dr Wan Mohd Afiq Wan Mohd Khalik (Universiti Malaysia Terengganu)		
Time	Code	Title
10.00 am - 10.30 am	INV-1	Recent Development on Gelatin Origins in Food and Pharmaceutical Products for Halal Authentication Professor Dr Abdul Rohman (Universitas Gadjah Mada)
10.35 am - 10.55 am	HAL-1	Rapid Discrimination of Gelatine Sources in Selected Food Products Using ATR-FTIR Spectroscopy and Chemometrics Nor Kartini Abu Bakar (Universiti Malaya)
11.00 am - 11.20 am	BIO-1	Biodegradation of Pharmaceutical Active Compounds in Wastewater Using Fungi: A Bibliometric Analysis Nur Maisarah Sarizan (Universiti Teknologi MARA)
11.40 am - 12.00 pm	ENV-1	Fabrication of TiO₂/ZnS/GO with Enhanced Photocatalytic Activity for the Degradation of Methylene Blue Allysha Riziana Binti Reduan (Universiti Malaysia Sarawak)
12.05 pm - 12.25 pm	ENV-2	Comparison of Spatial Interpolation Methods for the Water Quality Physico-Chemical Parameter in Klang River, Malaysia Azhar Jaffar (UiTM Shah Alam & Politeknik Ungku Omar)
Session Chairperson: Professor Dr Abdul Rohman (Universitas Gadjah Mada)		
02.30 pm - 02.50 pm	ENV-3	Water Quality Parameters as Early Warning Indicators in Earthquake Risk Management Aznah Nor Anuar (Universiti Teknologi Malaysia)
02.55 pm - 03.15 pm	ENV-4	Removal of Tetracyclines Using Magnetic Nanoparticle Deep Eutectic Solvents from Environmental Water Clayrine Shima Anak Lasu (Universiti Sains Malaysia)
03.20 pm - 03.40 pm	ENV-5	Potential Contamination Analysis Of Palm Oil Mill Effluent as Fertilizer to the Surrounding Soil and Groundwater Using Principal Component Analysis Elisabeth Leonora Leleury (Universiti Sains Malaysia)

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ROOM 1

Session Chairperson: Associate Professor Dr Nor Kartini Abu Bakar (Universiti Malaya)

04.10 pm - 04.30 pm	ENV-6	Synthesis of TiO₂/Ag/CA for the Degradation of Methylene Blue Feniellia Diwvya Anak Kutiang (Universiti Malaysia Sarawak)
04.35 pm - 04.55 pm	ENV-7	Spectroscopic Fingerprinting Combined with Chemometrics for Organic Produce Screening Intan Amirah Restu (Universiti Sains Malaysia)
05.00 pm – 05.20 pm	ENV-8	Exploring the Elemental Variations in Commercial Non-glutinous Brown and White Rice from Malaysia by Chemometrics Isa Baba Koki (Yusuf Maitama Sule University Kano)

ROOM 2

Session Chairperson: Dr Lim Siew Huah (Universiti Malaya)

Time	Code	Title
10.00 am - 10.30 am	INV-2	Schwarzinicine Alkaloids as Vasorelaxant Agents: Discovery, Synthesis, Structure-Activity Relationship, and Mechanism of Action Studies Professor Dr Lim Kuan-Hon (University of Nottingham Malaysia)
10.35 am - 10.55 am	NAT-1	Effects of Drying Processes on Lysine, Leucine and Glycine Content in Wild <i>Ulva lactuca</i> for Cosmetic Purposes Deny Susanti (International Islamic University Malaysia)
11.00 am - 11.20 am	NAT-2	Metabolite Profile of Marine Polychaete based on ATR FTIR and ¹H NMR Metabolomics I Dewa Made Rizky Wijaya (Universiti Malaysia Terengganu)
11.40 am - 12.00 pm	NAT-3	Exploring the Volatile Oil Profile in Characterization of Ginger Produce from Bentong Region by Chemometrics Low Kah Hin (Universiti Malaya)
12.05 pm - 12.25 pm	NAT-4	Xanthones from <i>Garcinia mangostana</i> Extracts against Clinical Isolates of Methicillin-Resistant <i>Staphylococcus aureus</i> (MRSA) Maizatul Hasyima Omar (National Institutes of Health)

Session Chairperson: Dr Low Yun Yee (Universiti Malaya)

02.30 pm - 02.50 pm	NAT-5	Comparative Studies on the Release Behaviours of Gallic Acid and Eurycomanone as an Active Ingredients in Herbal Supplement Noor Azwani Zainol (Universiti Teknologi Malaysia)
02.55 pm - 03.15 pm	NAT-6	Antioxidant and Antiviral Assessment of Microalgae <i>Chlorella</i> sp. UKM8 Methanolic Extract Shaima Abdulfattah Gamal Mohammed (Universiti Kebangsaan Malaysia)
03.20 pm - 03.40 pm	NAT-7	Indole Alkaloids from <i>Kopsia arborea</i> Wong Soon Kit (Universiti Malaya)

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DAY 1: 13 SEPTEMBER 2021 (MONDAY)

ROOM 2

Session Chairperson: Associate Professor Dr Thorsten Heidelberg (Universiti Malaya)

04.10 pm - 04.30 pm	SYN-1	Synthesis of Quinolactacin Derivatives via Diels – Alder Reaction Ahmad Zahir Hafiz Ismail (Universiti Teknologi MARA Puncak Alam)
04.35 pm - 04.55 pm	SYN-2	Mechanochemical-Synthesis and Morphological characterization of Copper-Isonicotinate Metal-Organic Frameworks Crystal for Beta-agonist Removal Marinah Mohd Ariffin (Universiti Malaysia Terengganu)
05.00 pm – 05.20 pm	SYN-3	Synthesis of new β-Carboline Derivatives as Potential Chemotherapeutic Agents Nurul Tasnim Noor Aaisa (Universiti Kuala Lumpur Royal College of Medicine Perak)

ROOM 3

Session Chairperson: Associate Professor Dr Norzahir Sapawe (University Kuala Lumpur)

Time	Code	Title
10.00 am - 10.30 am	INV-3	Gel-Electromembrane Extraction (G-EME): A green extraction and direct determination approach for ionic analytes Associate Professor Dr Pakorn Varanusupakul (Chulalongkorn University)
10.35 am - 10.55 am	GRE-1	Effect of Sous-Vide and Ohmic Cooking on Physicochemical Properties and Sensory Acceptability of Meat Aishah Bujang (Universiti Teknologi MARA)
11.00 am - 11.20 am	GRE-2	Amine Functionalized Carbon-based Soybean Curd Residues as Potential Adsorbent for Carbon Dioxide Dina Sofiea Zakaria (Universiti Malaysia Perlis)
11.40 am - 12.00 pm	GRE-3	Chitosan@activated Carbon Beads Modified in 1-ethyl-3-methylimidazolium acetate for Cd (II) Uptake from Aqueous Medium Ismaila Olalekan Saheed (Universiti Sains Malaysia & Kwara State University)
12.05 pm - 12.25 pm	GRE-4	Effect of Physicochemical Characterizations of Various Palm Oil Fuel Ash on Pozzolanic Activity and Strength Mohd Azrul Abdul Rajak (Universiti Malaysia Sabah)

Session Chairperson: Dr Nor Asrina Sairi (Universiti Malaya)

02.30 pm - 02.50 pm	GRE-5	Decontamination of Chemical Warfare Agent by Nanocomposite Adsorbent: A GC-MS Study Mohd Faris Mohd Rudi (Ministry of Defence, Malaysia)
02.55 pm - 03.15 pm	GRE-6	Bibliometric Analysis of Oil Contamination from 2000 to 2020 Mohd Lias Kamal (Universiti Teknologi MARA)
03.20 pm - 03.40 pm	GRE-7	Study of Caffeol & Ascorbic Acid-Based Chemical Developing Formulations in Relation To Silver Particle Density of Various Photographic Film Emulsions Mohd Salihin Mohd Saidi (University Kuala Lumpur Malaysian Institute of Chemical & Bioengineering Technology)

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ROOM 3

Session Chairperson: Dr Mohd Azrul Abdul Rajak (Universiti Malaysia Sabah)

04.10 pm - 04.30 pm	GRE-8	Detecting Degradation and Adulteration of Refined, Bleached, Deodorised Palm Oil Using Fatty Acids as Diagnostic Ratios Ng Jing Sheng (Universiti Sains Malaysia)
04.35 pm - 04.55 pm	GRE-9	Sustainability Analysis of Ethanol Plant Between Two Chemical Process Routes During Early Stages of Design Norfazilah Abdul Halim (Universiti Kuala Lumpur Malaysian Institute of Chemical and Bioengineering Technology)
05.00 pm – 05.20 pm	GRE-10	Preparation Of Activated Carbon from Oils and Fats Industrial Waste for Smoke Filter System Norli Umar (Universiti Malaya)

ROOM 4

Session Chairperson: Dr Mazidatulakmam Miskam (Universiti Sains Malaysia)

Time	Code	Title
10.00 am - 10.30 am	INV-4	Sensors in Medical, Agriculture and Environment Professor Dr Nor Azah Yusof (Universiti Putra Malaysia)
10.35 am - 10.55 am	MAT-1	Facile Preparation of Silica-Silver Core-Shell Nanoparticles Incorporated with Cellulose Filter Paper as Colorimetric Probe for Mercury Ions Detection in Aqueous Media Alyza Azzura Abd Rahman Azmi (Universiti Malaysia Terengganu)
11.00 am - 11.20 am	MAT-2	Biocompatible Fish Oil-coated Magnetic Nanoparticles as Potential Diagnostic Agent Auni Hamimi Idris (Universiti Putra Malaysia)
11.40 am - 12.00 pm	MAT-3	Preparation and Adsorption Studies of Tryptophan-Imprinted Polymer in Aqueous Medium via Bulk Polymerization Faizatul Shimal Mehamod (Universiti Malaysia Terengganu)
12.05 pm - 12.25 pm	MAT-4	Synthesis and Characterization Of 4-Chlorophenylacetic Acid Herbicide Intercalated with Calcium-Aluminium Layered Double Hydroxide through Co-Precipitation Method Farah Liyana Bohari (Universiti Teknologi MARA)

Session Chairperson: Professor Dr Nor Azah Yusof (Universiti Putra Malaysia)

02.30 pm - 02.50 pm	MAT-5	Synthesis and Characterization of New Schiff Base Ester Liquid Chrystals with Fatty Acids from Palm Oil as Flexible Alkyl Chain Lee Weng Nam (Universiti Malaya & Heriot-Watt University Malaysia)
02.55 pm - 03.15 pm	MAT-6	Hydrolysis of Nanocellulose from Almond Shells: The Effect of Different Acid, Acid Concentration, Temperature, and Time Mohammed Alhaji Mohammed (Universiti Malaya & Federal University Lafia)
03.20 pm - 03.40 pm	MAT-7	Chemoselective Decarboxylation of Ceiba Oil to Diesel-Range Alkanes over Red Mud Based Catalyst over H₂-Free Condition Nur Athirah Adzahar (Universiti Putra Malaysia)

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ROOM 4

Session Chairperson: Dr Nur Nadhirah Binti Mohamad Zain (Universiti Sains Malaysia)

04.10 pm - 04.30 pm	MAT-8	Production of Levulinic Acid from Cellulose Using Noble Metal Pd Incorporated into Supports Puteri Nurain Syahirah Megat Muhammad Kamal (Universiti Kuala Lumpur Malaysian Institute of Chemical and Bioengineering Technology)
04.35 pm - 04.55 pm	MAT-9	Synthesis and Optimization Selective Ion-imprinted Polymer for the Elimination of Ca II Ions using Taguchi Design Sazlinda Kamaruzaman (Universiti Putra Malaysia)
05.00 pm – 05.20 pm	MAT-10	Acetylation of Glycerol over Sulfated Titania as Solid Acid Catalyst Shera Farisya Mohamad Rasid (Universiti Putra Malaysia)



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DAY 2: 14 SEPTEMBER 2021 (TUESDAY)

KEYNOTE LECTURE

ROOM 1		
Chairperson: Associate Professor Dr Marinah M. Ariffin (Universiti Malaysia Terengganu)		
Time	Code	Title
08.30 am – 09.15 am	KEYNOTE-1	High Throughput Nucleic Acid Sample Preparation and Analysis Professor Dr Jared L. Anderson (Iowa State University)
Chairperson: Professor Dr Sharifuddin Md Zain (Universiti Malaya)		
Time	Code	Title
02.30 pm - 03.15 pm	KEYNOTE-2	Heavy Metal Contents and Distributions in Various Environmental Samples in West Malaysia Professor Dato' Dr Mohd Jamil Maah (Universiti Malaya)

ORAL PRESENTATION

ROOM 1		
Session Chairperson: Dr Tay Joo Hui (Universiti Malaysia Pahang)		
Time	Code	Title
09.45 am - 10.05 am	ENV-9	Biopolymer Magnetic Composites Adsorbents Fabrication and Application for Heavy metal Ions Removal in Water Samples Gimba Joshua Dagil (Universiti Teknologi Malaysia & Plateau State Polytechnic)
10.10 am - 10.30 am	ENV-10	Determination of dissolved Zn²⁺, Cd²⁺, Pb²⁺ and Cu²⁺ ions in seawater at Tropical coastal water Khairul Nizam Mohamed (Universiti Putra Malaysia)
10.35 am - 10.55 am	ENV-11	Sporopollenin Supported Imidazolium (Sp-IM) Bio-sorbent for Targeted Selective Adsorbate Removal from Aqueous Environment Kumuthini Chandrasekaram (Universiti Malaya)
Session Chairperson: Associate Professor Dr Faizatul Shimal Mehamod (Universiti Malaysia Terengganu)		
11.10 am - 11.40 am	INV-5	Making Sense of Sensor: An Update from Low-cost Air Quality Sensor for Air Quality Monitoring Associate Professor Dr Mohd Shahrul Mohd Nadzir (Universiti Kebangsaan Malaysia)
11.45 am - 12.05 pm	ENV-12	Experimental and Theoretical Study on Adsorption Mechanism of Polyvinylpyrrolidone (PVPP) for Effective Phenol Removal in an Aqueous Medium Muhammad Ammar Mohamad Alwi (International Islamic University of Malaysia)
12.10 pm - 12.30 pm	ENV-13	MXene as Sorbent in Membrane Protected Micro-Solid-Phase Extraction for Determination of Triclosan in Municipal Wastewater Muhammad Nur' Hafiz Rozaini (Universiti Teknologi PETRONAS)
12.35 pm - 12.55 pm	ENV-14	Acute Toxicity of Bisphenol A and Diclofenac Towards Tropical Freshwater Cladocerans: <i>Moina micrura</i> Muhammad Raznisyafiq Razak (Universiti Putra Malaysia)

Detailed Schedule — Oral Presentation

DAY 2: 14 SEPTEMBER 2021 (TUESDAY)

ROOM 1		
Session Chairperson: Associate Professor Dr Mohd Shahrul Mohd Nadzir (Universiti Kebangsaan Malaysia)		
03.45 pm - 04.05 pm	ENV-15	Presence of Selected Toxicants in Litopenaeus Sp. Shrimps at Local Markets in Johor Bahru and Its Health Risk Assessment Nurazira Anuar (Universiti Teknologi Malaysia)
04.10 pm - 04.30 pm	ENV-16	Heavy Metals Concentration in Perna Veridis Collected from Straits of Johor, Malaysia Ong Meng Chuan (Universiti Malaysia Terengganu)
04.35 pm - 04.55 pm	ENV-17	Seasonal Variation of Inorganic Nutrient and Dissolved Greenhouse Gases Concentration in the Oligotrophic Tropical Lake Kenyir, Malaysia Poh Seng Chee (Universiti Malaysia Terengganu)
05.00 pm – 05.20 pm	ENV-18	A Comparative Study on Groundwater Nitrate Pollution between Four Villages in Bachok District, Kelantan State, Malaysia Shaharuddin Mohd Sham (Universiti Putra Malaysia)
ROOM 2		
Session Chairperson: Associate Professor Dr Maisara Abdul Kadir (Universiti Malaysia Terengganu)		
Time	Code	Title
09.45 am - 10.05 am	SYN-4	Review on Influence of the Preparation Method on the Catalytic Activity of MgAl Hydrotalcites as Solid Base Catalysts Synthesis Munirah Zulkifli (Universiti Teknologi MARA)
10.10 am - 10.30 am	SYN-5	Synthesis, Characterization and Catalytic Performance of Polystyrene Supported Palladium(II)-Hydrazone Ligand Functionalized with Electron Donating Group (CH₃) as Catalyst in Heck Reaction Najwa Asilah M. Shamsuddin (Universiti Teknologi MARA)
10.35 am - 10.55 am	SYN-6	Synthesis, Characterisation and Biological Studies of Zinc-Chelate Conjugated Gold Nanosphere Ng Yin Zhuang (Universiti Malaya)
Session Chairperson: Professor Dr Lim Kuan-Hon (University of Nottingham Malaysia)		
11.10 am - 11.40 am	INV-6	Triazole-Linked Surfactants from Bio-Resources Associate Professor Dr Thorsten Heidelberg (Universiti Malaya)
11.45 am - 12.05 pm	SYN-7	Thermal Decomposition of Calcium Carbonate in Chicken Eggshell: Study on Temperature and Contact Time Nurriswin Jumadi (Universiti Kuala Lumpur – Malaysian Institute of Chemical and Bioengineering & Kolej Komuniti Jelebu)
12.10 pm - 12.30 pm	SYN-8	The Conjugation of Ternatin Biomolecule with Polyethylene Glycol (PEG) Enhanced Conjugates Solubility and Stability: Synthesis and Physicochemical Characterization Nurul Aina Jamaludin (Universiti Kuala Lumpur)
12.35 pm - 12.55 pm	SYN-9	Effect of plant organs of <i>Ficus deltoidea</i> plant in the synthesis of silver nanoparticles Shahrulnizahana Mohammad Din (Universiti Teknologi Malaysia)

Detailed Schedule — Oral Presentation

DAY 2: 14 SEPTEMBER 2021 (TUESDAY)

ROOM 2

Session Chairperson: Dr Mohamed Ibrahim Mohamed Tahir (Universiti Putra Malaysia)

03.45 pm - 04.05 pm	SYN-10	Synthesis and Characterization of Amino-functionalized Zirconium-based Metal-organic Framework Siti Sufiana Kamni (Universiti Teknologi MARA)
04.10 pm - 04.30 pm	SYN-11	2-Acetylpyrazine Thiosemicarbazone as Multifunctional Food Spoilage Inhibitor: Insights from Tyrosinase Kinetic, Microbial Activity and Computational Approaches Syamimi Sulfiza Shamsuri (International Islamic University Malaysia)
04.35 pm - 04.55 pm	SYN-12	Solvothermal Synthesis of s-block Metal Organic Frameworks Umar Abd Aziz (Institute of Advanced Technology)
05.00 pm – 05.20 pm	SYN-13	Synthesis, Spectroscopy, and Conductivity studies of 4-(diphenylamino)benzaldehyde-4-(4-fluorophenyl) thiosemicarbazone and Its Copper (II) Complex Siti Zuliana Zulkifli (Universiti Malaysia Terengganu)

ROOM 3

Session Chairperson: Dr Sharil Fadli Mohamad Zamri (Universiti Teknologi MARA)

Time	Code	Title
09.45 am - 10.05 am	GRE-11	The Effect of Nanofillers on the Functional Properties of PLA and Chitosan Based Film Raja Hasnida Binti Raja Hashim (Universiti Malaysia Perlis)
10.10 am - 10.30 am	GRE-12	Microwave-assisted Synthesis, Characterization and DNA Binding Studies of Ni(II) and Pd(II) Schiff complexes Containing o- and m- Hydroxyl (O-H) Group on Imine Ligand Siti Solihah Khaidir (Universiti Teknologi MARA)
10.35 am - 10.55 am	GRE-13	Biobased Epoxy Coating Derived From Natural Rubber and Tannic Acid Yong Ming Yee (Universiti Malaya)

Session Chairperson: Associate Professor Dr Pakorn Varanusupakul (Chulalongkorn University)

11.10 am - 11.40 am	INV-7	Fun with Drug Design – An In-silico Exercise Professor Dr Sharifuddin Md Zain (Universiti Malaya)
11.45 am - 12.05 pm	SEP-1	Characterization of Inclusion Complex of β-cyclodextrin Ethambutol using Spectroscopic Methods Goh Soen Qeng (Universiti Sains Malaysia)
12.10 pm - 12.30 pm	SEP-2	A Comparative Accuracy Study between Calibration and Standard Addition Methods in Quantification of Diclofenac Sodium in Commercial Medicinal Tablets using RP HPLC Haliza Kassim (University Technology MARA)
12.35 pm - 12.55 pm	SEP-3	Detection of Sulfonamides using Paper Based Material in Environmental Water Samples prior HPLC-DAD Analysis Mohamad Shariff Shahrman Subarmaniam (Universiti Malaya)

Detailed Schedule — Oral Presentation

DAY 2: 14 SEPTEMBER 2021 (TUESDAY)

ROOM 3		
Session Chairperson: Associate Professor Dr Mohammad Norazmi Bin Ahmad (International Islamic University Malaysia)		
03.45 pm - 04.05 pm	SEP-4	Adsorption of Acid Orange 7 by Cetyltrimethyl Ammonium Bromide Modified Oil Palm Leaf Powder Nik Ahmad Nizam Nik Malek (Universiti Teknologi Malaysia)
04.10 pm - 04.30 pm	SEP-5	An Efficient Biosorption-based Dispersive Liquid-liquid Microextraction with Extractant Removal by Magnetic Nanoparticles for Quantification of Bisphenol A in Water Samples by Gas Chromatography-Mass Spectrometry Detection Noorfatimah Yahaya (Universiti Sains Malaysia)
04.35 pm - 04.55 pm	SEP-6	Development and Validation of a Simultaneous Solid Liquid Microextraction and Gas Chromatography- Electron Capture Detector Method for the Determination of Selected Poisons in Entomological Specimens for Forensic Application Nor Wajihan Muda (Universiti Teknologi Malaysia)
05.00 pm - 05.20 pm	SEP-7	Separation and Quantification of Lycopene and β-carotene in Watermelon (<i>Citrullus lanatus</i>) Juice Extract Using Isocratic HPLC Mode Nur Shafinaz Mohamad Salin (Universiti Teknologi MARA)
ROOM 4		
Session Chairperson: Dr Kavirajaa Pandian Sambasevam (Universiti Teknologi MARA)		
Time	Code	Title
09.45 am - 10.05 am	MAT-11	Menthol-Based Low Transition Temperature Mixtures as New Extractant Solvent for Vortex-Assisted Dispersive Liquid-Liquid Microextraction for Trace Analysis of Pyrethroids by HPLC Siti Amira Mat Hussin (Universiti Malaya)
10.10 am - 10.30 am	MAT-12	Magnetite@SiO₂ Supported Pd(II) Schiff Base Complex: A Magnetically Separable Catalyst for Suzuki-Miyaura Reaction Siti Kamillah Che Soh (Universiti Malaysia Terengganu)
10.35 am - 10.55 am	MAT-13	Determination of Pesticides Residues in Food Matrix using Deep Eutectic Solvent Functionalized Magnetic Adsorbent Vasagee Elencovan (Universiti Sains Malaysia)
Session Chairperson: Associate Professor Dr Siti Kamillah Che Soh (Universiti Malaysia Terengganu)		
11.10 am - 11.40 am	INV-8	Natural Reagents as Reliable Reagents in Inorganic Synthesis of Functional Materials Associate Professor Dr Apinpus Rujiwatra (Chiang Mai University)
11.45 am - 12.05 pm	MAT-14	Electronic, Reactivity and Third Order Nonlinear Optical Properties of 'Push-Pull' Aromatically Fused-chalcones for Optoelectronic Interest Wan Mohd Khairul Wan Mohamed Zin (Universiti Malaysia Terengganu)
12.10 pm - 12.30 pm	SEN-1	The Conjugation and Characterization of Thermo-responsive Poly (N-isopropylacrylamide) with a Ternatin Biomolecule Adrina Zulkifli (Universiti Kuala Lumpur)
12.35 pm - 12.55 pm	SEN-2	Highly Sensitive and Selective Determination of Malathion in Vegetable Extracts by an Electrochemical Sensor Based on Cu-Metal Organic Framework Aisha Mohammed Zahran Al'Abri (University of Nizwa)

Detailed Schedule — Oral Presentation

DAY 2: 14 SEPTEMBER 2021 (TUESDAY)

ROOM 4

Session Chairperson: Associate Professor Dr Apinpus Rujiwatra (Chiang Mai University)

03.45 pm - 04.05 pm	SEN-3	Physical and Electrochemical Characterization of Modified Graphite Nanoparticles-Phosphotungstic Acid-Nafion on Glassy Carbon Electrode for Bisphenol A Determination Azrilawani Ahmad @ Othman (Universiti Malaysia Terengganu)
04.10 pm - 04.30 pm	SEN-4	Polythiophene-Polyvinylchloride Thin Film as Potential Sensing Material for the Determination of Volatile Organic Compounds Hafiza Mohamed Zuki (Universiti Malaysia Terengganu)
04.35 pm - 04.55 pm	SEN-5	Differential Colorimetric Nanobiosensor Array for Discrimination and Quantitation of Acrylamides in Coffee Khor Sook Mei (Universiti Malaya)
05.00 pm – 05.20 pm	SEN-6	A Colorimetric Chemosensor for Highly Selective Sensing of Hg²⁺ Ion in an Aqueous Medium: Experimental and Theoretical Approach Nurul Rashidah Mohamad Helmi (International Islamic University Malaysia)

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DAY 3: 15 SEPTEMBER 2021 (WEDNESDAY)

ROOM 1

Chairperson: Dr Woi Pei Meng (Universiti Malaya)

Time	Code	Title
12.00 pm - 12.45 pm	KEYNOTE-3	Initiatives in Utilizing Natural Reagents and Natural Materials for Chemical Analysis: Talent and Challenge for ASEAN in New Normal Chemical Analysis Emeritus Professor Kate Grudpan (Chiang Mai University)

ROOM 1

Session Chairperson: Associate Professor Dr Poh Seng Chee (Universiti Malaysia Terengganu)

Time	Code	Title
08.30 am - 08.50 am	ENV-19	Source Characterization of Nitrogen in Urban Stormwater Runoff Using Dual Isotopes and Mixing Models Siti Jariani Mohd Jani (Universiti Malaya)
08.55 am - 09.15 am	ENV-20	Heavy Metal in Different Size Fractions of Household Dust Collected from Rural Residential Area of Simpang Renggam, Johor Tay Joo Hui (Universiti Malaysia Pahang)
09.20 am - 09.40 am	ENV-21	An Improved Method for Multiclass Emerging Organic Contaminants in Tropical Marine Biota using QuEChERS Extraction followed by LC MS/MS Tuan Mohamad Fauzan Tuan Omar (Universiti Malaysia Terengganu)

Session Chairperson: Dr Shaharuddin Mohd Sham (Universiti Putra Malaysia)

09.55 am - 10.15 am	ENV-22	Adsorptive Removal of Methylene Blue via Banana Trunk Derived Activated Carbon (BTAC) Zaidi Ab Ghani (Universiti Teknologi MARA)
10.20 am - 10.40 am	ENV-23	Application of Arduino Microcontroller for the Preparation of Homemade Auto-titrator Tay Kheng Soo (Universiti Malaya)

ROOM 2

Session Chairperson: Dr Alyza Azzura Abd Rahman Azmi (Universiti Malaysia Terengganu)

Time	Code	Title
08.30 am - 08.50 am	SPE-1	Rapid Assessment of Octane Number and Benzene Content in Gasoline Fuel by Fourier-Transform Near Infrared Spectrometry Coupled with Chemometrics Abd Rahim Othman (Universiti Malaya)
08.55 am - 09.15 am	SPE-2	Metabolite Fingerprint of Malaysian Stingless Bee Honey based on ATR-FTIR Chemometrics Kok Suet Cheng (Universiti Malaysia Terengganu)
09.20 am - 09.40 am	SPE-3	Simultaneous UV-spectrophotometric Estimation of Aceclofenac and Cyclobenzaprine HCl by Three Different Methods Mahesh Mukund Deshpande (Amrutvahini College of Pharmacy)

Session Chairperson: Dr Low Kah Hin (Universiti Malaya)

09.55 am - 10.15 am	SPE-4	Supramolecular Assemblies of 1,2-Disubstituted Cyclohexane Amide Ligands and Their Coordination Polymer: Synthesis, Characterization and Crystal Structure Maisara Abdul Kadir (Universiti Malaysia Terengganu)
10.20 am - 10.40 am	SPE-5	Detecting Adulteration of Stingless Bee Honey using Untargeted ¹H-NMR Metabolomics with Chemometrics Yong Chin Hong (Universiti Sains Malaysia)

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DAY 3: 15 SEPTEMBER 2021 (WEDNESDAY)

ROOM 3

Session Chairperson: Dr Sazlinda Kamaruzaman (Universiti Putra Malaysia)

Time	Code	Title
08.30 am - 08.50 am	SEP-8	Dispersive Micro Solid-Phase Extraction with Polypyrrole-Graphene Oxide Nanocomposite Sorbent for the Determination of Tetracycline Antibiotics in Water Samples Nurzaimah Zaini @ Othman (Universiti Teknologi MARA)
08.55 am - 09.15 am	SEP-9	A Ferrofluidic Deep Eutectic Solvent Functionalized Graphene Oxide Magnetite Nanocomposite for the Extraction of Fluoroquinolones from Water Samples Rania Edrees Adam Mohammad (Universiti Sains Malaysia)
09.20 am - 09.40 am	SEP-10	A Review: Effect of Organic and Inorganic Filler on Starch-Based Bioplastic Siti Amira Othman (Universiti Tun Hussein Onn Malaysia)

Session Chairperson: Dr Noorfatimah Yahaya (Universiti Sains Malaysia)

09.55 am - 10.15 am	SEP-11	Efficiency of Bronsted Acidic Ionic Liquids in the Dissolution and Depolymerization of Lignin from Rice Husk into High Value -Added Products Siti Mastura Mohamad Zakaria (Universiti Malaya)
10.20 am - 10.40 am	SEP-12	Extraction Solvents of Microalgal Lipid Extraction for Biofuel Production: A review Tan Yeong Hwang (Universiti Tenaga Nasional, Malaysia)
10.45 am - 11.15 am	SEP-13	Bisphenol-A Removal from Synthetic Wastewater using Thin-Film Composite Forward Osmosis Membrane Taofiq Damilare Aiyelabegan (Universiti Teknologi PETRONAS)
11.20 am - 11.40 am	SEP-14	Removal of Terbutaline from Aqueous Solution using Cu-based Metal Organic-Frameworks ([Cu (INA)₂]) Mechano-synthesized using Ball-Milling Method Usman Armaya'u (Universiti Malaysia Terengganu & Al-Qalam University Katsina)

ROOM 4

Session Chairperson: Dr Khor Sook Mei (Universiti Malaya)

Time	Code	Title
08.30 am - 08.50 am	SEN-7	Chiral Recognition Sensor for Ketoprofen Enantiomers using L-cysteine Capped Silver Nanoparticles Obaid Asma Omar M (Universiti Malaya & Jazan University)
08.55 am - 09.15 am	SEN-8	Fabrication of a Microfluidic Paper Device for Drug Detection Salamatu Hayatu (Kaduna State University & Bayero University)