

ORAL PRESENTATION SCHEDULE

Day 1 (7 November 2017 – Tuesday)					
Time	Ballroom	Hibiscus I	Hibiscus II	Hibiscus III	Hibiscus IV
Chairperson	Dr Aliff	Dr Aida	Mdm Nor Aini	Dr Tong	Dr Sohrab
11.00 – 11.20	OSP01	P023	E032	OSP02	OSP03
11.20 – 11.40	E020	P033	E012	B043	M073
11.40 – 12.00	E021	P007	E067	B045	M082
12.00 – 12.20	E115	P119	E076	B132	M128
12.20 – 12.40	E102	P061	E085	B125	P005
12.40 – 13.00					
13.00 – 14.15	Lunch Break / Poster Session / Exhibition				
Chairperson	Dr Leong	Mr. Edyazuan	Dr Atikah	Mdm Elmi	Dr Faizah
14.15 – 14.35	B071	E015	F009	R051	P028
14.35 – 14.55	B075	E084	F112	R080	P103
14.55 – 15.15	B096	E117	F136	R050	P095
15.15 – 15.35	E134	E091	F074	E049	P011
15.35 – 15.55	E135	E116	F078	E077	P104
15.55 – 16.15					

Day 2 (8 November 2017 – Wednesday)					
Time	Ballroom	Hibiscus I	Hibiscus II	Hibiscus III	Hibiscus IV
Chairperson	URCE Poster Presentation	Mr Aiman	AP Dr Induk	Dr Amelia	Mdm Afifah
10.45 – 11.05		P014	D081	E093	P046
11.05 – 11.25		P097	S105	E099	P124
11.25 – 12.45		P101	D133	E013	P092
11.45 – 12.05		P065	D083	E098	P127
12.05 – 12.25		P010	S106	E066	P130
12.25 – 12.45					
12.45 – 14.00	Lunch Break / Poster Session / Exhibition				
Chairperson	URCE Poster Presentation	Dr Razealy	Dr Sabrina	Dr Nadiah	
14.00 – 14.20		M062	E052	R037	
14.20 – 14.40		M070	E069	R038	
14.40 – 15.00		M063	E079	R123	
15.00 – 15.20		M089	E137	B048	
15.20 – 15.40		M064	E122	B088	
15.40 – 16.00					

OSP01 - Oral Supplier and Co-partner (Hexagon PPM)

OSP02 - Oral Supplier and Co-partner (RGS Corporation Sdn Bhd)

OSP01 - Oral Supplier and Co-partner (IKA Works (Asia) Sdn Bhd)

ORAL PRESENTATION LIST

E : ENVIRONMENTAL, SUSTAINABLE & CLEAN TECHNOLOGIES		CODE
1.	INFLUENCE OF PRECIPITATING AGENT ON CATALYTIC ACTIVITY OF $Fe_{3-x}Co_xO_4$ CATALYST	E020
2.	EFFECT OF COBALT SUBSTITUTION ON CATALYTIC ACTIVITY OF $Fe_{3-x}Co_xO_4$ CATALYST	E021
3.	CARBON DIOXIDE SORPTION ISOTHERM AND KINETICS BY ALUM SLUDGE	E015
4.	APPLICATION OF MICROWAVE ASSISTED EXTRACTION ON EXTRACTS OF VITEXIN FROM <i>FICUS DELTOIDEA</i>	E049
5.	PREPARATION AND CHARACTERIZATION OF A NEW BIOCARBON MATERIAL USING <i>MACARANGA GIGANTEA</i> (GIANT MAHANG) LEAF BIOMASS AS PRECURSOR	E052
6.	AQUEOUS PHASE REFORMING OF SORBITOL OVER Ca DOPED Ni/Al_2O_3 FOR VALUE-ADDED CHEMICALS PRODUCTION	E066
7.	AQUEOUS PHASE REFORMING OF SORBITOL OVER SONOSYNTHESIZED Ca DOPED Ni/TiO_2 FOR VALUE-ADDED CHEMICALS PRODUCTION	E067
8.	THE STUDY ON THE EFFECT OF MOISTURE CONTENTS TOWARDS INHIBITION OF UREA TREATED INHIBITOR (UTI)	E069
9.	OPTIMIZATION OF PHOTODEGRADATION OF METHYLENE BLUE OVER MODIFIED $TiO_2/BiVO_4$ PHOTOCATALYSTS: EFFECT OF TOTAL TiO_2 LOADING AND DIFFERENT TYPE OF CO-CATALYST	E076
10.	EXPLORING THE ROLE OF ELECTRON-HOLE SCAVENGERS ON OPTIMIZING THE PERFORMANCE OF $BiVO_4$	E077
11.	SHORT TERM STUDY ON THE POTENTIAL OF OIL PALM FROND BIOCHAR FOR ACID SULPHATE SOIL AMELIORATION	E079
12.	POTENTIALITY OF PRESSMUD-EFB MIXTURE ONTO THE LOCAL SOIL AS ADSORPTION MATERIAL	E084
13.	METAL REMOVAL FROM MUNICIPALE LANDFILL LEACHATE USING LOCAL SOIL, PEAT SOIL AND RICE HUSK	E085
14.	INVESTIGATING THE CATALYTIC PROPERTIES OF CALCIUM COMPOUNDS DERIVED FROM MARINE BASED SHELL WASTE FOR WASTEWATER TREATMENT	E091
15.	DISPERSION OF CRUDE OIL BY CHOLINE BASED IONIC LIQUIDS	E093
16.	KINETICS, ISOTHERMS, AND THERMODYNAMIC STUDIES ON THE ADSORPTION OF MERCURY (II) ION FROM AQUEOUS SOLUTION USING MODIFIED PALM OIL FUEL ASH	E098
17.	HYDROCHLORIC ACID BASED PRE-TREATMENT ON PAPER MILL SLUDGE ASH AS AN ALTERNATIVE SOURCE MATERIAL FOR GEOPOLYMER	E099
18.	MARSHALL STABILITY PROPERTIES OF ASPHALT MIXTURE INCORPORATING BLACK RICE HUSK ASH	E102
19.	REMOVAL OF SULPHIDE USING PHYTOREMEDIATION PROCESS	E115
20.	PRELIMINARY STUDY OF SULFIDE REMOVAL USING ION EXCHANGE RESIN	E116
21.	OPTIMIZATION OF OXIDATIVE MO's DEGRADATION IN HETEROGENEOUS FENTON-LIKE REACTION USING Fe-MKSF	E134
22.	Fe-MKSF CATALYST FOR OXIDATIVE DEGRADATION OF METHYL ORANGE: INFLUENCE OF IRON/CLAY RATIO	E135
23.	SELECTIVE RECOVERY OF COPPER FROM WASTE MOBILE PHONE PRINTED CIRCUIT BOARDS USING SULPHURIC ACID LEACHING	E137
24.	SULFIDE REMOVAL FROM PETROCHEMICAL WASTEWATER USING CATALYTIC WET AIR OXIDATION (CWAO) METHOD	E012
25.	PRELIMINARY STUDY ON EFFECT OF OIL ADDITIVES ON ENGINE LUBRICANT IN FOUR-STROKE MOTORCYCLE ENGINE	E122

26.	CYANIDE REMOVAL FROM PETROCHEMICAL INDUSTRY WASTEWATER USING ACTIVATED SLUDGE	E013
27.	EFFECT OF SOLVENTS ON THE FORMATION OF CARBAMAZEPINE-SACCHARIN CO-CRYSTAL	E117
28.	TOWARDS ZERO EMISSION CONCEPT: TREATMENT OF MICROELECTRONICS & FOOD WASTES BY USING PAPER INDUSTRY WASTES	E032
B : BIOENGINEERING (BIOPROCESSES, BIOCATALYSTS, BIOPRODUCTS)		
1.	SURFACE FUNCTIONALISATION OF MICROFIBRILLATED CELLULOSE (MFC) OF COCOA POD HUSK WITH γ -METHACRYLOXYPROPYLTRIMETHOXYSILANE (MPS)	B043
2.	MECHANICAL AND THERMAL PROPERTIES OF ORGANO MODIFIED MONTMORILLONITE NANOCCLAY REINFORCED EPOXY RESIN WITH BIO-BASED HARDENER	B045
3.	EVALUATION OF CELLULASE AND XYLANASE PRODUCTION FROM <i>TRICHODERMA HARZIANUM</i> USING ACID-TREATED RICE STRAW AS SOLID SUBSTRATE	B048
4.	SYNTHESIS OF SILVER NANOPARTICLES MEDIATED BY ENDOPHYTIC FUNGI ASSOCIATED WITH ORCHIDS AND ITS ANTIBACTERIALACTIVITY	B071
5.	ANTIMICROBIAL COMPOUNDS DERIVED FROM FUNGAL ENDOPHYTES RESIDING IN MALAYSIAN PLANTS	B075
6.	EFFECT OF PROCESS PARAMETERS ON THE IMMOBILIZATION OF CYCLODEXTRIN GLUCANOTRANSFERASE (CGTASE) ON HOLLOW FIBER MEMBRANE	B088
7.	PRELIMINARY STUDY OF NATURAL POLYMERS AS KINETIC HYDRATE INHIBITORS	B096
8.	APPLICATION OF NANOTECHNOLOGY ON DRUG DELIVERY	B125
9.	A NEW STRATEGY FOR AN ARTIFICIALLY CONTROLLED RNAi ACTIVITY BASED ON COIL-GLOBULE TRANSITION BEHAVIOR OF THE CONJUGATED POLYMER	B132
F : FOOD AND AGRICULTURAL BASED TECHNOLOGY & PRODUCTS		
1.	IMPACT OF SAP-BIOCHAR INCORPORATION ON CONTROLLED RELEASE WATER RETENTION (CRWR) FERTILIZER TOWARDS THE GROWTH OF OKRAS	F009
2.	DEVELOPMENT OF LOW-CHOLESTEROL <i>LEMAK CILI API</i> PASTE	F074
3.	OPTIMIZATION OF XANTHONE EXTRACTION IN WATER-BASED PREPARATION OF FRESH MANGOSTEEN PERICARP (<i>GARCINIA MANGOSTANA</i> L.) BY USING ULTRASONIC TECHNIQUE	F112
4.	EFFECT OF TIME AND POWER ON MICROWAVE-ASSISTED EXTRACTION OF PECTIN FROM COCOA PEEL	F136
5.	AMINOLYSIS OF STYRENE OXIDE CATALYZED BY MICROPOROUS SILICA WITH LONGITUDINAL AND SPIRAL PORE CHANNELS PREPARED FROM RICE HUSK ASH	F078
P : POLYMERS		
1.	STRUCTURE, MECHANISM, CHARACTERISTIC AND MODIFICATIONS ON THE POLYMERIC MEMBRANE FOR REMOVAL ISOPROPANOL FROM WATER BY PERVAPORATION'S APPLICATION: A REVIEW	P007
2.	EFFECT OF GAS FOAMING AND POROSIGEN TECHNIQUES ON THE PROPERTIES OF SUPERPOROUS HYDROGELS	P010
3.	ADSORPTION AND DESORPTION OF NICKEL (II) ION BY OIL PALM EMPTY FRUIT BUNCH GRAFTED POLYVINYL ALCOHOL (OPEFB- <i>g</i> -PVA) HYDROGEL	P011
4.	MODIFICATION OF EFFECTIVE SURFACE AREA CORRELATION FOR STRUCTURED PACKED ABSORPTION COLUMN AT ELEVATED PRESSURES	P014
5.	PERFORMANCE OF DIFFERENT PERCENTAGES ON NANO-KAOLIN AS ADDITIVES IN SOIL LINER APPLICATION	P028
6.	ACETYLATION OF XANTHAN GUM IN DENSIFIED CARBON DIOXIDE (CO ₂)	P033
7.	FACILITATED TRANSPORT GRAPHENE OXIDE BASED PPO _{dm} MIXED MATRIX MEMBRANE FOR CO ₂ SEPARATION	P046

8.	CHARACTERIZATION OF GRAPHENE-SILK FIBROIN COMPOSITE FILMS	P061
9.	MECHANICAL PROPERTIES OF KENAF FIBER AND MONTMORILLONITE REINFORCED RECYCLED POLYETHYLENE TEREPHTHALATE/RECYCLED POLYPROPYLENE	P065
10.	SYNTHESIS AND CHARACTERIZATION OF POLY(HEMA-Co-EGDMA-Co-VBC) BY MODIFIED SUSPENSION POLYMERIZATION: EFFECTS OF POLYMERIZATION PARAMETERS ON MORPHOLOGY, PARTICLES SIZE AND SIZE DISTRIBUTION	P092
11.	CORROSION BEHAVIOR OF ORGANIC EPOXY-ZINC COATING WITH FLY ASH AS AN EXTENDER PIGMENT	P095
12.	CHARACTERIZATION OF FUEL BRIQUETTES FROM BANANA TREE WASTES	P097
13.	CONTROLLABLE DELIVERY OF METHYLENE BLUE FROM ELECTROSPUN POLY(VINYL ALCOHOL)/MESOPOROUS SILICA NANOPARTICLES COMPOSITE NANOFIBER	P101
14.	FACILE SYNTHESIS OF HYBRID GRAPHITE-MESOPOROUS SILICA NANOPATELET USING PYRIDINIUM IONIC LIQUID AS NOVEL TEMPLATE	P103
15.	EFFECT OF BUTYLAMINE MODIFIED KENAF FIBRE ON THE PROPERTIES OF NATURAL RUBBER PREPARED USING LATEX MASTERBATCH METHOD	P119
16.	SYNTHESIS AND CHARACTERIZATION OF FLUORESCIN-BASE FLUORESCENT MOLECULARLY IMPRINTED POLYMER: BINDING AND OPTICAL PROPERTIES	P124
17.	BIO SYNTHESIS OF GOLD NANOPARTICLES USING AQUOUES EXTRACTS OF MARIPOSA CRISTIA VESPERTILLONIS: INFLUENCE OF pH ON ITS COLLOIDAL STABILITY	P127
18.	SYNTHESIS OF PYRIDINIUM IONIC LIQUID-TEMPLATED MESOPOROUS SILICA NANOPARTICLES WITH TUNABLE PROPERTIES	P104
19.	EXTRACTION AND SURFACE CHARACTERIZATION OF NOVEL BAST FIBERS EXTRACTED FROM <i>PENNISETUM PURPUREUM</i> PLANT FOR COMPOSITES APPLICATION	P130
20.	PROPERTIES OF EPOXY-HYBRID COMPOSITE USING BAMBOO FIBER AND <i>SALACCA ZALACCA</i> FRUIT SKIN POWDER	P023
21.	STUDIES OF FILM DEVELOPMENT QUALITY BETWEEN ILFORD ID-11 AND NEW55 R3/R5 MONOBATH DEVELOPERS ON VARIOUS FILM STOCKS	P005
D : PROCESS DESIGNS, INTEGRATION AND OPTIMIZATION		
1.	ENHANCED CATALYTIC PERFORMANCE OF Ni/SBA-15 TOWARDS CO ₂ METHANATION VIA P123-ASSISTED METHOD	D081
2.	CO ₂ REFORMING OF CH ₄ OVER Ni/SBA-15 PREPARED BY SURFACTANT-ASSISTED IMPREGNATION METHOD: COMPARATIVE STUDY OF SURFACTANT TYPES	D083
3.	A NEW CLASS OF NONLINEAR CONJUGATE GRADIENT WITH GLOBAL CONVERGENCE PROPERTIES	D133
R : RENEWABLE ENERGY		
1.	MODELING OF GAS HYDRATE KINETICS IN THE PRESENCE OF SALINE WATER IN POROUS MEDIA	R037
2.	FURFURAL PRODUCTION UNDER SUBCRITICAL ALCOHOLS: THE STUDY ON THE VITAL PARAMETERS	R038
3.	ESTIMATION OF OVERALL TRANSESTERIFICATION RATE OF PALM OIL IN OIL-METHANOL TWO-PHASE REACTION SYSTEM - DOES THE MASS TRANSFER MATTER?	R050
4.	SINGLE-PHASE TRANSESTERIFICATION OF PALM OIL IN THE PRESENCE OF METHYLETHYLKETONE - A STUDY ON INTRINSIC REACTION KINETICS	R051
5.	SYNTHESIS OF Ni/SBA-15 FOR CO ₂ REFORMING OF CH ₄ : UTILIZATION OF PALM OIL FUEL ASH AS SILICA SOURCE	R080
6.	PERFORMANCE OF BINDERS IN BRIQUETTING OF DURIAN PEEL AS A SOLID BIOFUEL	R123

M : MODELING		
1.	MODELING AND NONLINEARITY STUDIES OF LOW DENSITY POLYETHYLENE (LDPE) TUBULAR REACTOR	M062
2.	ETHANE STEAM CRACKING INFERENTIAL MODEL DEVELOPMENT USING ARTIFICIAL NEURAL NETWORK	M063
3.	STEADY STATE MODELLING OF STEAM CRACKING FURNACE RADIANT SECTION USING ASPEN PLUS	M064
4.	DYNAMIC DQ-MODEL OF THREE-PHASE INDUCTION MOTOR PERFORMANCE UNDER FAULTY INVERTER CONDITION USING MATLAB SIMULINK	M070
5.	NUMERICAL SIMULATION AND EXPERIMENTAL VALIDATION OF DROPLET FORMATION IN MICROCHANNELS AT LOW VALUES OF THE CAPILLARY AND THE REYNOLDS NUMBER	M073
6.	ADSORPTION OF Pb (II) ONTO KCC-1 FROM AQUEOUS SOLUTION: ISOTHERM AND KINETIC STUDY	M082
7.	DRIVER FATIGUE AND ALERTNESS DETECTION USING EEG – A REVIEW	M089
8.	MATHEMATICAL MODELING OF THIN LAYER DRYING KINETICS OF GINGER SLICES	M128
S : SAFETY AND HEALTH		
1.	CHARACTERIZATION OF BTEX IN MALAYSIAN PETROL	S105
2.	BENZENE EXPOSURE AMONG TANKER WORKER DURING UNLOADING OF PETROL	S106

POSTER PRESENTATION LIST

1.	MAGNETICALLY MODIFIED BIOCHAR FOR EMERGING POLLUTANTS REMOVAL	E113
2.	DEVELOPMENT OF SOLAR DESALINATION SYSTEM FROM SEAWATER BY USING BASIN SOLAR ENERGY	E120
3.	THE USE OF MAGNESIUM OXIDE IN ACID MINE DRAINAGE TREATMENT	E129
4.	LIGHTING PERFORMANCE OF DAYLIGHTING AND DAYLIGHT FACTOR OF OFFICE BUILDING IN TROPICAL CLIMATE	E131
5.	EFFECT OF TEMPERATURE ON THE PERFORMANCE OF BIOPOLYMER DRAG REDUCTION AGENT (DRA)	B053
6.	COMPARISON STUDY ON THE RHEOLOGICAL PROPERTIES OF DIFFERENT BIO LUBRICANT ADDITIVES IN WATER-BASED DRILLING FLUIDS	B108
7.	EXTRATION OF GLUCOSE USING ALKALINE HYDROLYSIS FROM MUSA SAPIENTUM PEELS, ANANAS COMOSUS AND MANGIFERA INDICA LINN	B126
8.	DEVELOPMENT OF PREBIOTIC FERMENTED GUAVA (<i>PSIDIUM GUAJAVA</i>) DRINK	F003