

# ICYC 2008 SCHEDULE

DATE	TIME		DK A	DK B	DK C	SK201	SK202	SK204	SK205	SK2	
17/06/2008 (Tuesday)	1400-1700		Early Registration [Restu]								
18/06/2008 (Wednesday)	0800-0850		Registration [DTSP]								
	0900-0930		Opening addresses [DTSP]								
	0930-1015		<b>Keynote Lecture 1</b>								
	1015-1045		<i>Tea break</i>								
	1045-1130		<b>Keynote Lecture 2</b>								
	1130-1215		<b>Keynote Lecture 3</b>								
	1215-1300		<b>Keynote Lecture 4</b>								
	1300-1400		<i>Lunch</i>								
	1400-1415		Welcoming remarks [SK 4]								
	1415-1500		<b>Plenary Session 1 [SK 4] : Prof. Nobuo Ishizawa (INORG)</b>								
	1500-1515		<i>Tea break</i>								
	1515-1600	P1	<b>Poster 1 [Foyer SK]</b>								
	1600-1615	O1	<b>Dr. A.O.A. Alshahimi</b>	ENV 1B-1	POLY 1C-1	<b>Dr. K.C. Wong</b>	INORG 1E-1	NAT 1F-1	MAT 1G-1	MAT 1H-1	
	1615-1630			ENV 1B-2	POLY 1C-2		INORG 1E-2	NAT 1F-2	MAT 1G-2	MAT 1H-2	
	1630-1645		ANALY 1A-1	ENV 1B-3	POLY 1C-3	ORG 1D-1	INORG 1E-3	NAT 1F-3	MAT 1G-3	MAT 1H-3	
1645-1700	ANALY 1A-2		ENV 1B-4	POLY 1C-4	ORG 1D-2	INORG 1E-4	NAT 1F-4	MAT 1G-4	MAT 1H-4		
1700-1715	ANALY 1A-3		ENV 1B-5	POLY 1C-5	ORG 1D-3	INORG 1E-5	NAT 1F-5	MAT 1G-5	MAT 1H-5		
1715-1730	ANALY 1A-4		ENV 1B-6	POLY 1C-6	ORG 1D-4	INORG 1E-6	NAT 1F-6	MAT 1G-6	MAT 1H-6		
1730-1745	ANALY 1A-5		ENV 1B-7	POLY 1C-7	ORG 1D-5	INORG 1E-7	NAT 1F-7	MAT 1G-7	MAT 1H-7		
1745-1755	Q&A		Q&A	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A		
19/06/2008 (Thursday)	0830-0915			<b>Plenary Session 2 [SK2] : Prof. Lin Hong-Chou (MAT)</b>							
	0915-1000		<b>Plenary Session 3 [SK2] : Dr. Greg Dicinovski (ANALY)</b>								
	1000-1015		<i>Tea break</i>								
	1015-1100	P2	<b>Poster 2 [Foyer SK]</b>								
	1100-1115	O2	<b>Dr. Wan Aimi Wan Ibrahim</b>	ENV 2B-1	ANALY 2C-1	<b>Prof Lim Poh Eng</b>	<b>Mr. Yeek Kooi Sow</b>	POLY 2F-1	PHY 2G-1	MAT 2H-1	
	1115-1130			ENV 2B-2	ANALY 2C-2			POLY 2F-2	PHY 2G-2	MAT 2H-2	
	1130-1145		ANALY 2A-1	ENV 2B-3	ANALY 2C-3	ENV 2D-1	IND 2E-1	POLY 2F-3	PHY 2G-3	MAT 2H-3	
	1145-1200		ANALY 2A-2	ENV 2B-4	ANALY 2C-4	ENV 2D-2	IND 2E-2	POLY 2F-4	PHY 2G-4	MAT 2H-4	
	1200-1215		ANALY 2A-3	ENV 2B-5	ANALY 2C-5	ENV 2D-3	IND 2E-3	POLY 2F-5	PHY 2G-5	MAT 2H-5	
	1215-1230		ANALY 2A-4	ENV 2B-6	ANALY 2C-6	ENV 2D-4	IND 2E-4	POLY 2F-6	PHY 2G-6	MAT 2H-6	
	1230-1245		ANALY 2A-5	ENV 2B-7	ANALY 2C-7	ENV 2D-5	IND 2E-5	POLY 2F-7	PHY 2G-7	MAT 2H-7	
	1245-1255		Q&A	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A	
	1255-1400			<i>Lunch</i>							
	1400-1445		<b>Plenary Session 4 [SK2] : Dr. Basheer Chanbasha (ANALY)</b>								
	1445-1500	O3	<b>Dr. Fakhr Eldin O. Suliman</b>	IND 3B-1	INORG 3C-1	<b>Prof Mojca Cepic</b>	NAT 3E-1	MAT 3F-1	POLY 3G-1	MAT 3H-1	
1500-1515	IND 3B-2			INORG 3C-2	NAT 3E-2		MAT 3F-2	POLY 3G-2	MAT 3H-2		
1515-1530	ANALY 3A-1		IND 3B-3	INORG 3C-3	ORG 3D-1	NAT 3E-3	MAT 3F-3	POLY 3G-3	MAT 3H-3		
1530-1545	ANALY 3A-2		IND 3B-4	INORG 3C-4	ORG 3D-2	NAT 3E-4	MAT 3F-4	POLY 3G-4	MAT 3H-4		
1545-1600	ANALY 3A-3		IND 3B-5	INORG 3C-5	ORG 3D-3	NAT 3E-5	MAT 3F-5	POLY 3G-5	MAT 3H-5		
1600-1610	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A			
1610-1625		<i>Tea break</i>									
1625-1640	O4	ENV 4A-1	ORG 4B-1	NAT 4C-1	POLY 4D-1	MAT 4E-1	MAT 4F-1	OTH 4G-1	OTH 4H-1		
1640-1655		ENV 4A-2	ORG 4B-2	NAT 4C-2	POLY 4D-2	MAT 4E-2	MAT 4F-2	OTH 4G-2	OTH 4H-2		
1655-1510		ENV 4A-3	ORG 4B-3	NAT 4C-3	POLY 4D-3	MAT 4E-3	MAT 4F-3	MAT 4G-3	OTH 4H-3		
1510-1525		ENV 4A-4	ORG 4B-4	NAT 4C-4	POLY 4D-4	MAT 4E-4	MAT 4F-4	MAT 4G-4	OTH 4H-4		
1725-1735		Q&A	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A		
2000-2300		<i>Dinner [Dataran Bio]</i>									
20/06/2008 (Friday)	0830-0915		<b>Plenary Session 5 [SK2] : Prof Ewa Gorecka (INORG)</b>								
	0915-1000		<b>Poster 3 [Foyer SK]</b>								
	1000-1015		<i>Tea break</i>								
	1015-1030	O5	OTH 5A-1	<b>Prof Dr Sriramalu Mohan</b>	ENV 5C-1	ORG 5D-1	POLY 5E-1	POLY 5F-1	INORG 5G-1	MAT 5H-1	
	1030-1045		OTH 5A-2		ENV 5C-2	ORG 5D-2	POLY 5E-2	POLY 5F-2	INORG 5G-2	MAT 5H-2	
	1045-1100		ANALY 5A-3		MAT 5B-1	ENV 5C-3	ORG 5D-3	POLY 5E-3	POLY 5F-3	INORG 5G-3	MAT 5H-3
	1100-1115		ANALY 5A-4		MAT 5B-2	ENV 5C-4	ORG 5D-4	POLY 5E-4	POLY 5F-4	INORG 5G-4	MAT 5H-4
	1115-1130		ANALY 5A-5		MAT 5B-3	ENV 5C-5	ORG 5D-5	POLY 5E-5	POLY 5F-5	INORG 5G-5	MAT 5H-5
	1130-1145		ANALY 5A-6		MAT 5B-4	ENV 5C-6	ORG 5D-6	POLY 5E-6	POLY 5F-6	INORG 5G-6	MAT 5H-6
	1145-1155	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A	Q&A		
	1155-1205		Award [DKA]								
1205-1445		<i>Lunch</i>									
1500-1630		Closing Ceremony [Dewan Budaya]									
1630-1700		<i>Tea break</i>									
1700		End of 2nd USM-Penang International Postgraduates Convention (PIPgC) 2008									

Analy : Analytical	Inorg : Inorganic	Org : Organic	Poly : Polymer
Env : Environmental	Mat : Material	Oth : Others	O : Oral Presentation
Ind : Industrial	Nat : Natural Product	Phy : Physic	P : Poster Presentation

## **SCHEDULE**

### **Oral Presentation**

Day 1: June 18, 2008 (Wednesday)

#### **Oral Session 1 (O1)**

Venue : DK A

- 1600-1630 **INVITED SPEAKER (IS 1)** **ON-CHIP SOLID PHASE EXTRACTION COUPLED WITH INDUCTIVELY COUPLED PLASMA-MASS SPECTROSCOPY FOR THE ANALYSIS OF TRANSITION METALS**  
Awadh O. Alsuhami
- 1630-1645 ANALY 1A-1 **EXTRACTION CHROMATOGRAPHIC STUDIES OF PLATINUM (IV) AND ITS SEPARATION FROM IRIIDIUM (III)**  
S. J. Kokate and S. R. Kuchekar
- 1645-1700 ANALY 1A-2 **SEPARATION OF AMINOGLUTETHIMIDE ENANTIOMERS BY CAPILLARY ELECTROPHORESIS-VALIDATION AND APPLICATION TO THE ANALYSIS OF COMMERCIAL FORMULATIONS**  
Abdalla A. Elbashir, Bahruddin Saad, Abdussalam Salhin Mohamed Ali and Muhammad Idiris Saleh
- 1700-1715 ANALY 1A-3 **PROTEINIC ELECTRONICS RESPONSE TO UV/VISIBLE CHROMOPHORE ABSORPTION**  
A. D. Laurent and X. Assfeld
- 1715-1730 ANALY 1A-4 **SYNTHESIS OF TRACE-ELEMENT-CAPTURING RESINS USING CHITOSAN AS A BASE MATERIAL AND THEIR APPLICATION TO ANALYTICAL CHEMISTRY**  
Akhmad Sabarudin, Mitsuko Oshima, Darjito and Shoji Motomizu
- 1730-1745 ANALY 1A-5 **TOXICOLOGICAL EVALUATION AND CHARACTERISTICS OF MALAYSIAN RUBBER SEED OIL**  
Bashar Mudhaffar Abdullah and Jumat Salimon

#### **Oral Session 1 (O1)**

Venue : DK B

- 1600-1615 ENV 1B-1 **PHOTOCATALYTIC EFFICIENCY OF CARBON IMPREGNATED TiO<sub>2</sub> WITH EPOXIDIZED NATURAL RUBBER AS CARBON PRECURSOR**  
Wan Izhan Nawawi Wan Ismail And Mohd Asri Mohd Nawi
- 1615-1630 ENV 1B-2 **VERTICAL DISTRIBUTION OF PHOSPHATES COMPOUNDS IN THE SEDIMENT PORE WATER OF THE LAKE ORNAMENTAL, BOTANIC GARDENS, MELBOURNE**  
Barlah Rumhayati, Ian D. Mckelvie And Mike Grace
- 1630-1645 ENV 1B-3 **EFFECT OF CADMIUM IN FERTILITY OF THE NATIVE RABBIT**  
Faris N. A. Al-Hady, Nada S. N. Al-Tae And Mayson M. S. Al-Tae
- 1645-1700 ENV 1B-4 **THE EFFECT OF ULTRASONIC IRRADIATION ON THE HETEROGENEOUS CATALYST FOR BIODIESEL PRODUCTION FROM PALM OIL**  
H. Mootabadi, B. Salamatinia, N. Razali, S. Bhatia And A. Z. Abdullah

- 1700-1715 ENV 1B-5 **PHOTOELECTROCHEMICAL DEGRADATION OF CHICAGO SKY BLUE 6B DYE BY CATHODICLY ELECTRODEPOSITED TITANIUM DIOXIDE THIN FILM ELECTRODE**  
Jing Kai Alvin-Chong, Zulkarnain Zainal And Abdul Halim Abdullah
- 1715-1730 ENV 1B-6 **CHARACTERIZATION OF CONCRETE BASED WASTE MATERIAL FROM CONSTRUCTION AND DEMOLITION SITE**  
M. A. Nurul Liza And M. D. Mashitah

**Oral Session 1 (O1)**

**Venue : DK C**

- 1600-1615 POLY 1C-1 **COMPATIBILITY, MECHANICAL, THERMAL AND MORPHOLOGICAL PROPERTIES OF EPOXY RESIN MODIFIED WITH CARBONYL TERMINATED BUTADIENE ACRYLONITRILE COPOLYMER LIQUID RUBBER**  
A. B. Ben Saleh, Z. A. Mohd Ishak, A. S. Hashim and W. A. Kamil
- 1615-1630 POLY 1C-2 **COMPATIBILIZATION OF POLYPROPYLENE (PP)/ETHYLENE PROPYLENE DIENE TERPOLYMER (EPDM)/KAOLIN COMPOSITES: EFFECT OF MALEIC ANHYDRIDE-GRAFTED-POLYPROPYLENE**  
H. Salmah, C. M. Ruzaidi and A. G. Supri
- 1630-1645 POLY 1C-3 **THE EFFECTS OF DIFFERENT SIZE OF RECYCLE NBR ON CURING CHARACTERISTICS AND FATIGUE PROPERTIES OF STYRENE BUTADIENE RUBBER / RECYCLED ACRYLONITRILE-BUTADIENE RUBBER (SBR/RNBR) BLENDS**  
N. Z. Noriman, H. Ismail and Azura Rashid
- 1645-1700 POLY 1C-4 **PREPARATION AND CHARACTERIZATION OF EPOXIDISED PALM OIL/CLAY NANOCOMPOSITES**  
H. Ramli, W. M. Z. Wan Yunus, N.A. Ibrahim, M.Z. Ab. Rahman and T.L. Ooi
- 1700-1715 POLY 1C-5 **SYNTHESIS OF DEGRADABLE BIO-COMPOSITES POLYPROPYLENE RECYCLE MODIFIED REACTIVE PROCESS IN XYLENE MEDIA USING BAMBOO AS A REINFORCING FILLER**  
Neng Sri Suharty, Basuki Wirjosentono, Maulidan Firdaus, Desi S. Handayani, Jamilatus Sholikhah and Yuniarni A. Maharani
- 1715-1730 POLY 1C-6 **BIODEGRADABILITY OF KENAF BAST FIBER FILLED PLASTICIZED POLY(LACTIC ACID) COMPOSITES**  
Suganti Ramarad, Razaina Mat Taib, Zainal Arifin Mohd. Ishak And Mitsugu Todo
- 1730-1745 POLY 1C-7 **EFFECT OF CaSt<sub>2</sub>/ZnSt<sub>2</sub> AND RADIATION ON THERMAL AND DYNAMIC MECHANICAL PROPERTIES OF POLYCAPROLACTONE (PCL)/POLY (VINYL CHLORIDE) (PVC) COMPOSITES**  
Noor Azlina Ngah, Nor Azowa Ibrahim, Wan Md Zin Wan Yunus, Mansor Ahmad and Khairul Zaman M. Dahlan

## Oral Session 1 (O1)

Venue : SK 201

- 1600-1630 **INVITED SPEAKER (IS 2)** **VOLATILE COMPOUNDS OF SOME MALAYSIAN FRUITS**  
K.C.Wong
- 1630-1645 ORG 1D-1 **SYNTHESIS, CHARACTERIZATION AND THERMAL STUDIES OF NEW CHELATING POLYMERS**  
Lamies Shahada
- 1645-1700 ORG 1D-2 **SYNTHESIS, NMR SPECTROSCOPIC AND CRYSTAL STRUCTURES STUDIES OF BENZIMIDAZOLE DERIVATIVES**  
Mohammed Hadi Al-Douh, Shafida Abd Hamid and Hasnah Osman
- 1700-1715 ORG 1D-3 **SYNTHESIS OF HYDROXYL RADICAL SCAVENGING FROM BENZALACETONE AND ITS DERIVATIVES**  
Sri Handayani and Indyah Sulisty Arty
- 1715-1730 ORG 1D-4 **SYNTHESIS AND LIQUID CRYSTALLINE BEHAVIORS OF 2-(4-ALKYLOXYPHENYL)BENZOTHAZOLES**  
Sie-Tiong Ha, Teck-Ming Koh, Guan-Yeow Yeap, Peng-Lim Boey and Wan Ahmad Kamil Mahmood
- 1730-1745 ORG 1D-5 **A FACILE RADICAL MEDIATED SYNTHESIS OF AZETIDIN-2, 3-DIONES**  
Mahmood Shakir Magtoof

## Oral Session 1 (O1)

Venue : SK 202

- 1600-1615 INORG 1E-1 **PHOTOCATALYTIC DEGRADATION OF TWO SELECTED DYES USING UV-LIGHT IN THE PRESENCE OF IMMOBILIZED TITANIUM DIOXIDE FILMS**  
Chaval Sriwong, Sumpun Wongnawa and Orasa Patarapaiboolchai
- 1615-1630 INORG 1E-2 **SYNTHESIS, CHARACTERIZATION AND BIOLOGICAL ACTIVITIES OF SOME TRYPTAMINE SCHIFF BASES AND THEIR METAL COMPLEXES**  
Mohamed Mustafa M., Hapipah M. A. and Mahmood Amin A.
- 1630-1645 INORG 1E-3 **SYNTHESIS, CHARACTERIZATION AND COMPUTATIONAL CHEMISTRY OF Zn (II)-SCHIFF BASES COMPLEXES AS POTENTIAL EMITTING MATERIAL IN ORGANIC LIGHT EMITTING DIODES (OLED)**  
Naser Eltaher Eltayeb, Teoh Siang Guan and Rohana Adnan
- 1645-1700 INORG 1E-4 **SYNTHESIS AND CHARACTERIZATION OF AMINE-FUNCTIONALIZED IONIC LIQUIDS**  
Sarah Roslan, Yatimah Alias and Rozita Yusoff
- 1700-1715 INORG 1E-5 **ENANTIOMERIC SCHIFF BASES OF S-METHYLDITHIOCARBAZATE WITH 2-METHYL-5-(PROP-1-EN-2-YL)CYCLOHEX-2-ENONE AND THEIR METAL COMPLEXES: THE SYNTHESIS, CHARACTERIZATION AND CYTOTOXIC ACTIVITY**  
Sang Loon Tan, M. Ibrahim M. Tahir, Karen A. Crouse and Rozita Rosli

- 1715-1730 INORG 1E-6 **MAGNETIC, STRUCTURAL AND THERMAL STABILITY STUDIES OF COPPER (II) BENZOATE AND ITS DERIVATIVES**  
M. I. Mohamadin and N. Abdullah
- 1730-1745 INORG 1E-7 **STRUCTURAL ASPECT OF MESOPOROUS NANOCRYSTALLINE TiO<sub>2</sub> SYNTHESIZED VIA SELF ASSEMBLY TRIBLOCK COPOLYMER TEMPLATE**  
S. Wahyuningsih, C. Kusumawardan, A. D. Nugraheni, Narsito, I. Kartini and K. Triyana

**Oral Session 1 (O1)**

**Venue : SK 204**

- 1600-1615 NAT 1F-1 **ANTIPROLIFERATIVE MECHANISM OF SOME OLIGOSTILBENOID COMPOUNDS FROM *HOPEA ODORATA* AGAINST HUMAN CANCER CELL LINES**  
Retno Arianingrum, Sri Atun, Nurfina Aznam, Niwa Masatake and Yoshiaki Takay
- 1615-1630 NAT 1F-2 **A CHEMICAL STUDY ON *PHYLLANTHUS RETICULATUS***  
A. K. Jamal, W. A. Yaacob, Laily B. Din and Bohari M. Yamin
- 1630-1645 NAT 1F-3 **ISOLATION OF THE ANTIOXIDANT COMPOUNDS FROM A MARINE BROWN ALGAE**  
P. Y. Chia, K. S. Khoo and Y. Y. Lim
- 1645-1700 NAT 1F-4 **ACUT AND SUBCRONIC TOXICITY OF ETHANOLIC EXTRACT FROM STEM BARK OF *HOPEA MENGARAWAN***  
Nurfina Aznam, Sri Atun and Retno Arianingrum
- 1700-1715 NAT 1F-5 **VOLATILE CONSTITUENTS OF *HOMALOMENA PINEODORA***  
Abdul Hamid, K.C. Wong, Shafida A. Hamid and S. Baharuddin
- 1715-1730 NAT 1F-6 **CHEMICAL CONTITUENTS OF THE RIZOME *ALPINIS MUTICA***  
Nor Akmalazura Jani and Hasnah Mohd. Sirat
- 1730-1745 NAT 1F-7 **THE IMPROVEMENT OF RAMIE  $\alpha$ -CELLULOSE CONTENT ON OBTAINING THE REQUIREMENT OF PROPELLANT RAW MATERIAL**  
Anne Kusmayati, S. Kosela and E. Saefuddin

**Oral Session 1 (O1)**

**Venue : SK 205**

- 1600-1615 MAT 1G-1 **THE STRUCTURAL PROPERTIES OF HETEROGENEOUS CATALYST FROM RICE HUSK ASH FOR THE ALKYLATION REACTIONS**  
Adil Elhag Ahmed and Farook Adam
- 1615-1630 MAT 1G-2 **CALAMITIC BISAZOBENZENE LIQUID CRYSTAL SERIES WITH TERMINAL METHOXY GROUP: SYNTHESIS AND MESOMORPHIC PROPERTIES**  
A. A. Salisu, M. Z. Ab. Rahman, S. Silong, M. R. Lutfor and M. Ahmad

1630-1645	MAT 1G-3	<b>EFFECT OF ULTRASONIC ON THE SYNTHESIS OF UNIFORM MESOPOROUS ALUMINA NANOPARTICLES</b> <u>Sheela Chandren, Zainab Ramli and Hadi Nur</u>
1645-1700	MAT 1G-4	<b>SIDEWALL FUNTIONALIZATION OF SINGLE-WALLED CARBON NANOTUBES USING PHOTOLYSIS OF 2-HYDROXY-2-METHYLPROPIOPHENONE (DAROCURE 1173)</b> <u>Ahmad Mirza Nadeem and Wantai Yang</u>
1700-1715	MAT 1G-5	<b>EFFECT OF STEARIC ACID ON THE CORDIERITE POWDER PRODUCED BY MECHANOCHEMICAL SYNTHESIS</b> <u>Affendi Fitra Asral, Srimala Sreekantan and Hasmaliza Mohamad</u>
1715-1730	MAT 1G-6	<b>CHARACTERIZATION OF NANO SILICA USING THERMAL ANALYSIS, SPECTROSCOPIC, AND DIFFRACTION METHODS</b> <u>Supiyanto and Bambang Soegijono</u>
1730-1745	MAT 1G-7	<b>EFFECT OF POLYDIMETHYLSILOXANE CONCENTRATION ON THE PHYSICAL PROPERTIES OF FLEXIBLE POLYURETHANE FOAM</b> <u>N. Ahmad and C. S. Sipaut</u>

**Oral Session 1 (O1)**

**Venue : SK 2**

1600-1615	MAT 1H-1	<b>FORMATION OF N-TYPE POROUS SILICON: EFFECT OF ANODIZATION TIME</b> <u>S. Yaakob, J. Ismail, M. Abu Bakar and K. Ibrahim</u>
1615-1630	MAT 1H-2	<b>THE INFLUENCE OF DOPING IODINE IN CRYSTAL STRUCTURE AND ELECTRICAL RESISTIVITY OF ORGANIC SEMICONDUCTOR FROM MICROBIAL CELLULOSE NATA DE SOYA</b> <u>Saleh Djonaedi and Kurniawan Budhy</u>
1630-1645	MAT 1H-3	<b>POLYMERIZATION OF PROTONIC POLYANILINE /MULTI-WALLE CARBON NANOTUBES/MANGANESE DIOXIDE NANOCOMPOSITES</b> <u>Saiful Izwan Abd Razak, Abdul Latif Ahmad and Sharif Hussein Sharif Zein</u>
1645-1700	MAT 1H-4	<b>PREPARATION OF <math>YBa_2Cu_3O_{7-8}</math> (YBCO) THIN FILM BY ELECTROPHORETIC TECHNIQUE FROM POWDERS SYNTHESIZED VIA OXALATE COPRECIPITATION</b> <u>M. H. Wahid, I. Hamadneh, Z. Zainal and K. B. Tan</u>
1700-1715	MAT 1H-5	<b>EFFECT OF ENVIROMENTAL EXPOSURE ON LOCALLY PRODUCED OPAQUE DENTAL PORCELAIN</b> <u>Fathie A. M. Kundie, Saied H. Mohamed, Zainal Arifin Ahmad and Mohd Polo</u>
1715-1730	MAT 1H-6	<b>THE EFFECT OF Ag PARTICLES ON THERMAL BEHAVIOR OF POLY-3-HYDROXY-BUTYRATE(PHB)</b> <u>S. Y. Yeo, W. L. Tan, M. Abu Bakar and J. Ismail</u>
1730-1745	MAT 1H-7	Zahoor Ahmad

## Schedule

### **Oral Presentation**

Day 2: June 19, 2008 (Thursday)

#### **Oral Session 2 (O2)**

**Venue : DK A**

- |           |                                       |  |
|-----------|---------------------------------------|--|
| 1100-1130 | <b>INVITED<br/>SPEAKER<br/>(IS 3)</b> | <b>GREEN ANALYTICAL CHEMISTRY SAMPLE PREPARATION FOR ENVIRONMENTAL POLLUTANTS</b><br><u>Wan Aini Wan Ibrahim</u> , Ahmad Nor Fairolzukry Rasdy, Dadan Hermawan, Sharain Liew Yen Ling, S.M.M. Alam, Doris Daud and Mohd Marsin Sanagi                            |
| 1130-1145 | ANALY 2A-1                            | <b>COMBINATION OF EXPERIMENTAL DESIGN AND ARTIFICIAL NEURAL NETWORKS FOR OPTIMIZATION IN CAPILLARY ELECTROPHORESIS</b><br><u>A. Ben Hamed</u>  |
| 1145-1200 | ANALY 2A-2                            | <b>A PROCESS FOR SEPARATING ACID-SUGAR MIXTURES USING ION EXCHANGE CHROMATOGRAPHY</b><br><u>A. Makahleh</u> , M. S. Jab, B. Saad and M. Y. A. Hamid  |
| 1200-1215 | ANALY 2A-3                            | <b>GAS DIFFUSION CONTINUOUS FLOW (GDCF) – SPECTROPHOTOMETRY FOR DETERMINATION OF NITROGEN IN FERTILIZER SAMPLE</b><br><u>Adam Wiryawan</u> , Hermin Sulistyarti and Ary Suryadi  |
| 1215-1230 | ANALY 2A-4                            | <b>APPLICATION OF CONTINUAL LIQUID-PHASE MICROEXTRACTION METHOD COUPLED WITH LIQUID CHROMATOGRAPHY TO THE ANALYSIS OF ORGANOPHOSPHOROUS PESTICIDES IN DRINKING WATER</b><br>M. Marsin Sanagi, <u>Yanuardi Raharjo</u> , Wan Aini Wan Ibrahim and Ahmedy Abu Naim |
| 1230-1245 | ANALY 2A-5                            | <b>MOLECULARLY IMPRINTED POLYMER (MIP): REMOVAL OF METHYLENE BLUE (MB) USING MIP FROM CONTAMINATED WATER</b><br><u>Saliza Asman</u> , Nor Azah Yusof, Abdul Halim Abdullah and Md. Jelas Haron   |

#### **Oral Session 2 (O2)**

**Venue : DK B**

- |           |          |   |
|-----------|----------|---|
| 1100-1115 | ENV 2B-1 | <b>TiO<sub>2</sub>/CHITOSAN IMMOBILIZED BILAYER SYSTEM FOR THE DEGRADATION OF PHENOL AND ITS INTERMEDIATE UNDER LOW ENERGY LIGHT SOURCE</b> |
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Ali –H- Jawad, W. S. Wan Ngah and Mohd Asri Mohd Naw

- 1115-1130 ENV 2B-2 **ADSORPTION CHARACTERISTICS OF MULTI METALS (Ag(I), Cu(II) And Cr(III)) AND ETHYLENEDIAMINE GROUP IMMOBILIZED ON SILICA FROM RICE HULL ASH**  
Dyah Purwaningsih
- 1130-1145 ENV 2B-3 **ORGANIC COMPOSITION OF ATMOSPHERIC AERASOL FROM BIOMASS BURNING**  
Fuzi Mohamed Fartas, Mohamed Rozali Othman and Mohd Talib Latif
- 1145-1200 ENV 2B-4 **THE ADSORPTION OF ANIONIC DYE FROM AQUEOUS SOLUTION BY IMMOBILIZED CHITOSAN**  
Sumiyah Sabar and Mohd Asri Mohd Naw
- 1200-1215 ENV 2B-5 **PHOTOCATALYTIC DEGRADATION OF REACTIVE ORANGE 16 USING ZINC OXIDE AS PHOTOCATALYST**  
Lee Kian Mun, Abdul Halim Abdullah and Zulkarnain Zainal
- 1215-1230 ENV 2B-6 **PRODUCTION OF SiC (SILICON CARBIDE) FROM AGRICULTURAL WASTE: AN OVERVIEW**  
I. Idayu, S. A. Saad, K. N. Ismail and H. Kamaruddin
- 1230-1245 ENV 2B-7 **ADSORPTION ISOTHERMAL MODEL FOR REACTIVE DYE REMOVAL AQUEOUS SOLUTION ONTO ACTIVATED CARBON PREPARED FROM ROTTAN SAWDUST**  
Abdulbari Abdulrahman Ahmad

Oral Session 2 (O2)

Venue : DK C

- 1100-1115 ANALY 2C-1 **APPLICATION OF DISPERSIVE LIQUID-LIQUID MICROEXTRACTION FOR THE DETERMINATION OF ORGANOCHLORINE PESTICIDES IN RIVER WATER**  
Hakim Faraji, Ali Reza Faizbakhsh, Masoumeh Helalizadeh and Nastaran Najafpour
- 1115-1130 ANALY 2C-2 **DETERMINATION OF PROPIONATES AND PROPIONIC ACID IN BAKERY PRODUCTS USING GAS CHROMATOGRAPHY**  
Bahruddin Saad, Khaldun M. AL Azzam, Noor Hasani Hashim, Mohd. Asri Mohd. Naw and Khairuddin Md Talib
- 1130-1145 ANALY 2C-3 **PHYSICO-CHEMICAL ANALYSIS OF SOIL AROUND BHANDARDARA DAM IN AHMEDNAGAR DISTRICT**  
P. N. Kamble, Shubhangi Dhumal and S. R. Kuchekar
- 1145-1200 ANALY 2C-4 **DEVELOPEMENT OF NOVEL NANOTRANSDUCER FOR TOXIC METAL ION BIOSENSOR BY EXPLOITING AMINO ACIDS AND PEPTIDES AS RECOGNITION ELEMENT**  
Nor Azah Yusof, Tan Wee Tee and Nurulhaidah Daud
- 1200-1215 ANALY 2C-5 **STUDY THE EFFECT OF pHs AND TEMPERATURES ON ADSORPTION OF PARA NITRO ANILINE (PNA) BY BENTONITE CLAY SURFACE**  
Abbas Al-Sharify, Wissam A., Ayad Al-Kaim and Aseal M. K.
- 1215-1230 ANALY 2C-6 **DEVELOPEMENTOF NOVEL NANOTRANSDUCER FOR METAL**



**ION BIOSENSORS BY EXPLOITING AMINO ACIDS AND PEPTIDES AS RECOGNITION ELEMENTS**

Siti Zareena Mohd Saat and Nor Azah Yusof

1230-1245 ANALY 2C-7 **COMPUTER PROGRAM FOR EVALUATION OF MEASUREMENT UNCERTAINTY**

Punnee Sittidech, Manop Sittidech and Manunya Chaithongsri

Oral Session 2 (O2)

Venue : SK 201

1100-1130 **INVITED SPEAKER (IS 4)** **THE SCIENCE AND TECHNOLOGY OF CONSTRUCTED WETLAND AS A WASTEWATER TREATMENT SYSTEM**  
Lim Poh Eng

1130-1145 ENV 2D-1 **IMMOBILIZATION OF TIO<sub>2</sub> POWDER ONTO GLASS PLATES USING ENR/PVC POLYMER BLEND AS ADHESIVE**  
Ngoh Ying Shin, Salmiah Md. Zain and Mohd Asri Mohd. Nawi

1145-1200 ENV 2D-2 **REMOVAL OF TOXIC Hg(II) IONS FROM WATER BY PHOTOCATALYTIC REDUCTION WITH TIO<sub>2</sub>**  
Endang Tri Wahyuni, Mudasir and Sri Sudiono

1200-1215 ENV 2D-3 **PRODUCTION OF BIOFUEL VIA PYROLYSIS OF RICE WASTES**  
S. Fairous, S. Rusnah and H. Maryam

1215-1230 ENV 2D-4 **REMOVAL OF 2,4-D PESTICIDE FROM WATER BY ADSORPTION ONTO GRANULAR ACTIVATED CARBON**  
B. H. Hameed, J. M. Salman and A. L. Ahmad

1230-1245 ENV 2D-5 **PHOTOCATALYTIC DEGRADATION OFF TRIBUTYL TIN CHLORIDE BY NANO TIO<sub>2</sub>**  
Mohammad Reza Reisi, Misni Misran and Lo Kong Mun

Oral Session 2 (O2)

Venue : SK 202

1100-1130 **INVITED SPEAKER (IS 5)** **OPPORTUNITIES IN MICROELECTRONICS PACKAGING, CHALLENGES AND THE NEED FOR INNOVATION**  
Sow, Yeek Kooi

1130-1145 IND 2E-1 **TRANSESTERIFICATION OF PALM OLEIN USING ALUMINA LOADED WITH METHOXIDE ION AS A HETEROGENEOUS CATALYST**  
Boey Peng Lim, Shafida Abd. Hamid and Gaanty Pragas Maniam

1145-1200 IND 2E-2 **ENHANCING REACTION RATES OF LIPASE CATALYZED REACTION IN NON-AQUEOUS MEDIA THROUGH A RAPID THREE PHASE PARTITIONING PLUS pH-TUNING AND MICROWAVE IRRADIATION**  
N. Saifuddin and A. Z. Raziah

1200-1215 IND 2E-3 **FREEZING POINTS OF EDIBLE OILS AND THEIR FATTY ACID COMPOSITIONS - A STATISTICAL ANALYSIS**  
Anees Ahmad, F. M. Abbas Al-Karkhi and Bazlul Mobin Siddiqui

- 1215-1230 IND 2E-4 **BIODIESEL PRODUCTION BY TRANSESTERIFICATION OF SOYBEAN OIL USING CALCIUM SUPPORTED ON MESOPOROUS SILICA**  
Rukchanok Tongkumpan, Sutep Ketsa, Chatchawan Sookman, and Chanatip Samart
- 1230-1245 IND 2E-5 **TRANSESTERIFICATION OF PALM OIL FOR PRODUCTION OF BIODIESEL USING HETEROGENEOUS SOLID CATALYST: PRELIMINARY RESULTS**  
L. H. Chin, B. H. Hameed and A. L. Ahmad

**Oral Session 2 (O2)**

**Venue : SK 204**

- 1100-1115 POLY 2F-1 **PREPARATION AND CHARACTERIZATION OF SOYA POWDER/LLDPE COMPOSITES**  
S. T. Sam, H. Ismail and Z. Ahmad
- 1115-1130 POLY 2F-2 **EFFECT OF FILLER INCORPORATION INTO FRACTURE TOUGHNESS PROPERTIES OF DENTURE BASE POLY(METHYL METHACRYLATE)**  
N. W. Elshereksi, S. H. Mohamed, A. Arifin and Z. A. Mohd Ishak
- 1130-1145 POLY 2F-3 **ETHYLENE VINYL ACETATE (EVA) / NATURAL RUBBER (SMR L) / ORGANOCCLAY NANOCOMPOSITES: EFFECT OF MALEIC ANHYDRIDE (MAH) COMPATIBILIZER**  
Y. Munusamy, H. Ismail, M. Mariatti and C.T. Ratnam
- 1145-1200 POLY 2F-4 **EFFECT OF EETHYLENE DIAMINE-CO-ACRYLIC ACID (EDAA) ON PROPERTIES OF ACRYLONITRILE BUTADIENE STYRENE/WASTE TYRE DUST COMPOSITES (ABS/WTD)**  
Supri A. Ghani, Rozazlil Razi and Salmah
- 1200-1215 POLY 2F-5 **EFFECT OF CROSSLINKING LEVEL ON STRUCTURE - PROPERTIES OF LOW DENSITY POLYETHYLENE (LDPE) FOAM**  
Z. Zakaria, Z. M. Ariff and C. S. Sipaut
- 1215-1230 POLY 2F-6 **PREPARATION OF COMPOSITE NR-SILICA/LLDPE BY SOL GEL METHOD**  
Nissa Nadia Mohd Anuar, Ishak Ahmad and Ibrahim Abdullah
- 1230-1245 POLY 2F-7 **THE DISTRIBUTION OF CLAY IN POLYPROPYLENE/NATURAL RUBBER BLEND ON THERMAL AND MECHANICAL PROPERTIES**  
Norhaiza Othman, Nor Azowa Ibrahim, Jamaliah Sharif<sup>2</sup> and Wan Md. Zin Wan Yunus

**Oral Session 2 (O2)**

**Venue : SK 205**

- 1100-1115 PHY 2G-1 **METAL ION REMOVAL FROM AQUEOUS ENVIRONMENT BY MICELLAR EXTRACTION**  
L. Dupont-Leclercq, P. Rubini, S. Giroux and B. Henry
- 1115-1130 PHY 2G-2 **STUDY OF THE EFFECTS OF DYNAMICS VISCOSITY ON THE CHITOSAN SOLUTION IN FORMIC ACID**

Esam. A. El-hefian, Elham. S. Elgannoudi, Azizah Mainal and A. H. Yahaya

- 1130-1145 PHY 2G-3 **A STUDY OF THE CHARACTERISTICS OF ACTIVATED CARBONS PREPARED BY CHEMICAL ACTIVATION WITH  $ZnCl_2$  USING NITROGEN AND CARBON DIOXIDE ACTIVATION OF OIL PALM SHELL**  
Allwar, Ahmad Md Noor and Mohd Asri Mohd Nawi
- 1145-1200 PHY 2G-4 **THEORETICAL INSIGHT ON THE STRUCTURE AND VIBRATIONAL SPECTRA OF 3-CYCLOPENTEN-1-OL**  
Abdulaziz Al-Saadi
- 1200-1215 PHY 2G-5 **COMBINED HEAT AND MASS TRANSFER IN MHD FREE CONVECTION FROM A VERTICAL SURFACE WITH OHMIC HEATING, CHEMICAL REACTION AND VISCOUS DISSIPATION**  
Ruhaila, R. Kandasamy, Muhaimin and Radiah
- 1215-1230 PHY 2G-6 **COMPARATIVE BINDING AND PARTITIONING STUDY OF ATENOLOL-A BETA BLOCKER DRUG WITH SODIUM DODECYL SULFATE AND CETYL TRIMETHYL AMMONIUM BROMIDE USING UV-VISIBLE AND STEADY STATE FLUORESCENCE SPECTROSCOPY TECHNIQUES**  
Asad Muhammad Khan and Syed Sakhawat Shah
- 1230-1245 PHY 2G-7 **EFFECT OF SiC IN ELECTROLESS Cu-P-SiC COMPOSITE COATINGS AND THEIR ANTI-CORROSION PROPERTIES**  
Soheila Faraji, Afidah Abdul Rahim, Norita Mohamed and Coswald Stephen Sipaut

Oral Session 2 (O2)

Venue : SK 2

- 1100-1115 MAT 2H-1 **ENTRAPMENT OF AVIDIN IN SOL-GEL DERIVED SILICA GLASSES**  
Eko Sri Kunarti and Grainne Moran
- 1115-1130 MAT 2H-2 **PREPARATION AND MECHANICAL TEST OF MULTI-WALLED CARBON NANOTUBES/EPOXY NANOCOMPOSITES**  
Hassan.J.Adeli, Nithiananthan Al Arunasalam, Abdul Latif Ahmad and Sharif Hussein Sharif Zein
- 1130-1145 MAT 2H-3 **STUDY THE EFFECT OF  $TiO_2$  AND SOAKING TIME TO THE NATURAL HYDROXYAPATITE PROPERTIES**  
Shahrizal M. H., Sri Asliza M. A., Nazree D. and Zaheruddin K.
- 1145-1200 MAT 2H-4 **SYNTHESIS OF  $SmBa_2Cu_3O_7$  SUPERCONDUCTOR CERAMIC VIA CO PRECIPITATION METHOD**  
A. M. Ahmad Rusli, I. Hamadneh and Z. Zainal
- 1200-1215 MAT 2H-5 **ELECTRICAL AND THERMAL PROPERTIES OF COPPER-EPOXY NANOCOMPOSITES**  
N.H. Mohd Hirmizi, W.L. Tan, N.H.H. Abu Bakar, M. Abu Bakar, J. Ismail,

C.K. Chee and C.H. See

- 1215-1230 MAT 2H-6 **BEHAVIOUR OF Sb(II) EXTRACTION BY SOLID PHASE CONTAINING CYANEX 302 APPLYING SURFACE RESPOND METHADODOLOGY**  
Md Fazlul Bari, Mohd Redzuan Ramli, Noorzahan Begum and Shamsul Baharin Jamaludin
- 1230-1245 MAT 2H-7 **SURFACE ENGINEERING OF TITANIUM FOR EXCELLENT CELL-METAL INTERACTION**  
Roshasnorlyza Hazan and Srimala Sreekantan

## Schedule

### Oral Presentation

Day 2: June 19, 2008 (Thursday)

#### Oral Session 3 (O3)

Venue : DK A

- 1445-1515 **INVITED SPEAKER (IS 6)** **ANALYTICAL APPLICATIONS OF THE CHEMILUMINESCENCE OF Tris-RUTHENIUM(II) COMPLEXES USING SEQUENTIAL INJECTION ANALYSIS**  
Fakhr Eldin O. Suliman, Salma M. Z. Al-Kindy
- 1515-1530 ANALY 3A-1 **THE FIA METHOD FOR THE DETERMINATION OF PARACETAMOL IN TABLET FORMULATION**  
Marwan Shalash, Abdussalam Salhin Mohamed Ali and Bahrudin Saad
- 1530-1545 ANALY 3A-2 **APPLICATION OF A SIMPLIFIED SOLID PHASE EXTRACTION (SPE) METHOD FOR THE SENSITIVE DETERMINATION OF SULFONAMIDES IN EDIBLE MEAT**  
M. Umar Farooq and Yi Yang
- 1545-1600 ANALY 3A-3 **SYNTHESIS AND EVALUATION OF A MOLECULARLY IMPRINTED POLYMER FOR REMOVAL PHENOLIC COMPOUND FOR WASTE WATER TREATMENT**  
Nor Azah Yusof, Nor Dyana Zakaria, Mad Jelas Haron and Abdul Halim Abdullah

#### Oral Session 3 (O3)

Venue : DK B

- 1445-1500 IND 3B-1 **INDUSTRIAL SCALE TECHNOLOGIES FOR SINGLE ENANTIOMER BETA BLOCKER DRUGS: THE DEVELOPMENT AND OUTLOOK**  
Joni Agustian, Azlina Harun Kamaruddi and Subhash Bhatia

- 1500-1515 IND 3B-2 **LIQUEFACTION OF MUKAH BALINGIAN LOW-RANK MALAYSIAN COAL WITH WATER AS SOLVENT USING HIGH PRESSURE HIGH TEMPERATURE BATCH-WISE SYSTEM**  
A. G. Zaidi, I. Khudzir, A. M. Fauzi and M. I. M. Azlan
- 1515-1530 IND 3B-3 **ULTRASOUND AIDED *IN SITU* TRANSESTERIFICATION WITH CO-SOLVENT OF CRUDE PALM OIL CONTAINED IN SPENT BLEACHING CLAY**  
Boey Peng Lim and Shangeetha A/P Ganesan
- 1530-1545 IND 3B-4 **SULFONATION OF PETROLEUM BASE OILS WITH DEVELOPMENT OF THE EMULSIFIERS**  
Abdulbaset M. Elgellal and Imad H. Alwahib
- 1545-1600 IND 3B-5 **OPTIMAL CONTINUOUS BIOSYNTHESIS OF BIODIESEL BY A PACKED BED BIOREACTOR AND MASS TRANSFER MODELING**  
Siti Fatimah Abdul Halim, Azlina Harun @ Kamaruddin and W. J. N. Fernando

Oral Session 3 (O3)

Venue : DK C

- 1445-1500 INORG 3C-1 **PREPARATION AND CRYSTAL STRUCTURE OF ETHYLENEDIAMINE HYBRID NICKEL VANADATE**  
Wasinee Phonsri and Apinpus Rujiwatra
- 1500-1515 INORG 3C-2 **FLUORESCENCE PROPERTIES OF COPPER COMPLEXES OF 2-N-ANILINOQUINOXALINE AND 2-N-PIPERIDINOQUINOXALINE**  
Wan Ainna Mardhiah Wan Saffiee, Zaharah Aiyub and Zanariah Abdullah
- 1515-1530 INORG 3C-3 **ADSORPTION OF Cr (III) And Cr(VI) ON AMINO-SILICA HYBRID PREPARED FROM RICE HUSK ASH**  
Nuryono, Nur Widhi Purbajati, Rimalia Desi Nur A. and Narsito
- 1530-1545 INORG 3C-4 **MERCERIZATION OF BANANA FIBERS WITH NaOH, KOH AND Ca(OH)<sub>2</sub>**  
Nurul Izza Husin, Norain Isa, Nor Aimi Abdul Wahab, S. Kathiresan and Mas Rosemal Hakim Mas Haris
- 1545-1600 INORG 3C-5 **REMOVAL OF DYES FROM WATER BY HYDRATED AMORPHOUS TITANIUM DIOXIDE**  
Miki Kanna, Sumpun Wongnawa, Supat Buddee, Ketsarin Dilokkhunakul and Peerathat Pinpithak

Oral Session 3 (O3)

Venue : SK 201

- 1445-1515 INVITED SPEAKER (IS 7) **CAN THEORY EXPLAIN COMPLEX STRUCTURES IN BANANA LIQUID CRYSTALS?**  
Mojca Čepič
- 1515-1530 ORG 3D-1 **SYNTHESIS AND BIOLOGICAL STUDY OF N-CYSTEINE DERIVATIVES VIA SCHIFF BASE**  
Farook Adam and Kasim Mohammed Hello

- 1530-1545    ORG 3D-2    **BENZOPHENONE IN RADICAL CATION MEDIATED CYCLIZATION – ENHANCEMENT OF INDOLIZATION**  
Chin-Hui Kee, Noel F. Thomas and Azhar Ariffin
- 1545-1600    ORG 3D-3    **SYNTHESIS AND DERIVATISATION OF XANTHONE COMPOUNDS AS ANTIMALARIAL AGENTS**  
Amanatie, A. K. Projo Santosa and Jumina

Oral Session 3 (O3)

Venue : SK 202

- 1445-1500    NAT 3E-1    **PHYSICAL AND CHEMICAL PROPERTIES OF WATERMELON SEED OIL AS A NEW SOURCE OF VEGETABLE OILS**  
Nahla Awad Hassan Abderrahman and Mohammed Osman Babikir
- 1500-1515    NAT 3E-2    **COMPARISON AND CHARACTERIZATION OF DIFFERENT SOLID BASED CATALYST FOR BIODIESEL PRODUCTION OUT OF PALM OIL**  
B. Salamatinia, H. Mootabadi, N. Razali, S. Bhatia and A. Z. Abdullah
- 1515-1530    NAT 3E-3    **IN VITRO ANTIMICROBIAL ACTIVITY OF WATERMELON (*CITRUS VULGARIS*) AND CHEMICAL CONSTITUENTS**  
Salwa E.Ibrahim and Qi - Peng Yuan
- 1530-1545    NAT 3E-4    **PHYTOCHEMICALS AND ANTI-INFLAMMATORY ACTIVITY OF *PIPER MAGNIBACCUM C. DC.*, (PIPERACEAE)**  
Emrizal, Farediah Ahmad, Hasnah M. Sirat, Fadzureena Jamaludin, Nik Musa'adah Mustapha, Rasadah M. Ali and Dayar Arbain
- 1545-1600    NAT 3E-5    **TOTAL PHENOLIC CONTENT, ANTIOXIDANT ACTIVITY AND CYTOTOXICITY OF THE EXTRACTS FROM THE AERIAL PARTS OF THE *SALVADORA OLEOIDES***  
Afsheen Arshad, Hasnah Osman, Chan Kit Lam, Hayder B. Sahib and Salma Rahman

Oral Session 3 (O3)

Venue : SK 204

- 1445-1500    MAT 3F-1    **THE BENZOYLATION OF P-XYLENE OVER IRON SUPPORTED SILICA FROM RICE HUSK ASH**  
Ishraga Abdelmoniem Hassan and Farook Adam
- 1500-1515    MAT 3F-2    **SYNTHESIS OF BORON CARBIDE AT LOW-TEMPERATURE**  
Musfirah Cf Toana, Bambang Soegijono and Hamdan
- 1515-1530    MAT 3F-3    **MECHANICAL CHARACTERIZATION OF THE FIRE-RETARDED PALM BASED-POLYURETHANE**  
Amamer Musbah Redwan and Khairiah Haji Badri
- 1530-1545    MAT 3F-4    **TiO<sub>2</sub> NANOTUBES FORMATION AND THEIR PHOTOCATALYTIC PROPERTIES**  
Syahriza Ismail, Zainovia Lockman and Srimala Sreekantan
- 1545-1600    MAT 3F-5    **DIRECT IMAGING OF C<sub>80</sub> (D<sub>2</sub>) AND C<sub>82</sub> (C<sub>2</sub>) FULLERENES INSIDE SINGLE- AND DOUBLE- WALL CARBON NANOTUBES BY HIGH RESOLUTION TRANSMISSION ELECTRON MICROSCOPY**  
Teguh Endah Saraswati, Naoki Imazu and Hisanori Shinohara

- 1445-1500 POLY 3G-1 **TENSILE PROPERTIES AND MORPHOLOGY OF THERMOPLASTIC SAGO STARCH/LDPE BLENDS**  
R. Abdul. Majid, H. Ismail and R. Mat Taib
- 1500-1515 POLY 3G-2 **MORPHOLOGICAL AND MECHANICAL PROPERTIES OF ETHYLENE PROPYLENE DIENE MONOMER (EPDM) NANOCOMPOSITES FILLED HALLOYSITE NANOTUBES (HNTs)**  
Pooria Pasbakhsh, H. Ismail, M. N. Ahmad Fauzi and A. Abu Bakar
- 1515-1530 POLY 3G-3 **THERMO-OXIDATIVE AGEING OF PAPER SLUDGE FILLED POLYPROPYLENE/ETHYLENE PROPYLENE DIENE TERPOLYMER COMPOSITES: THE EFFECT OF MALEIC ANHYDRIDE**  
I. Ismail, H. Salmah and A. Nor Azwin
- 1530-1545 POLY 3G-4 **EFFECT OF LOADING AN ANTIOXIDANT ON THE PROPERTIES OF THE EXPANDABLE RUBBER FOAM**  
Nor Azura Abdul Rahim

- 1445-1500 MAT 3H-1 **La-TiO<sub>2</sub> Nanoparticles Based Catalytic Pellet For Detection Of Ethanol Vapour**  
J. Juhari, M. Z. Abu Bakar, A. Z. Abdullah and G.Y. Chaow
- 1500-1515 MAT 3H-2 **EFFECT OF pH ON ELECTRODEPOSITED COPPER SELENIDE THIN FILMS**  
Zulkarnain Zainal, Koo Chee Siong and Tan Wee Tee
- 1515-1530 MAT 3H-3 **SYNTHESIS OF Au/TiO<sub>2</sub> CATALYST AND ITS APPLICATION IN HYDROGENATION OF CITRAL**  
Hanani Yazid, Shafida Abd. Hamid and Rohana Adnan
- 1530-1545 MAT 3H-4 **MECHANICAL STRENGTH OF TRASS AS SUPPLEMENTARY CEMENTING MATERIAL**  
Vera Indrawati and Azwar Manaf
- 1545-1600 MAT 3H-5 **THE EFFECT OF ALUMINIUM TRIHYDROXIDE ON THE FLAMMABILITY AND MECHANICAL PROPERTIES OF PALM OIL - BASED POLYURETHANE**  
H. Nurul `Ain, H. B. Khairiah, H. Hazimah and T. I. Tuan Noor Maznee

## **Schedule**

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### **Oral Presentation**

Day 2: June 19, 2008 (Thursday)

Oral Session 4 (O4)

Venue : DK A

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| 1625-1640 | ENV 4A-1 | <b>REMOVAL OF BASIC AND REACTIVE DYES USING QUARTENIZED SUGAR CANE BAGASSE</b><br><u>S. Y. Wong</u> , Y. P. Tan, A. H. Abdullah and S. T. Ong  |
| 1640-1655 | ENV 4A-2 | <b>MESOPOROUS SILICA SUPPORTED KOH AS HETEROGENEOUS SOLID BASE CATALYST IN TRANSESTERIFICATION PROCESS</b><br><u>N. Razali</u> , A. Z. Abdullah, H. Mootabadi and B. Salamatinia           |
| 1655-1510 | ENV 4A-3 | <b>BATCH STUDY OF COD, pH AND MLSS REMOVAL FOR MESOPHILES AND MIXED SLUDGE-MESOPHILES IN ACID ORANGE II WASTEWATER</b><br>S. Rangunathan, <u>H. Nurhawani</u> , A. H. N. Izza and I. Idayu |
| 1510-1525 | ENV 4A-4 | <b>PREPARATION OF CARBON IMPREGNATED TiO<sub>2</sub> VIA THERMAL TREATMENT OF HUMIC ACIDS DOPED TiO<sub>2</sub></b><br><u>Ismariza Ismail</u> and Mohd Asri Mohd Nawawi                    |



## Oral Session 4 (O4)

Venue : DK B

- 1625-1640 ORG 4B-1 **ENZYMATIC REDUCTION OF KETONES TO OPTICALLY ACTIVE SECONDARY ALCOHOLS**  
Ramadan Ali Bawa, Fatima Ajjabou and Iman Shalfooh
- 1640-1655 ORG 4B-2 **SYNTHESIS AND ANTIMICROBIAL STUDIES OF CHALCONE DERIVATIVES**  
S. M. Haris Fadzillah, Z. Ngaini and M. H. Hussain
- 1655-1510 ORG 4B-3 **SYNTHESIS AND CHARACTERIZATION OF 1,15-DIAZA-3,4;12,13;16,19;22,24-TETRABENZO-5,8,11-TRIOXACYCLOTETRAEICOSANE-2,14-DIONE DESIGNED FOR TRANSITION METAL BINDING**  
Aliha T. Amilasan, Susan D. Arco, and Emily V. Castriciones
- 1510-1525 ORG 4B-4 **PREPARATION OF 6-NITROJUGLONE AND SILYLETHER DIENE INTERMEDIATE FOR THE DIELS-ALDER SYNTHESIS OF OCHROMYCINONE ANALOGUE**  
Daniel Tan Teoh Chuan, Hasnah Osman and Norazlina Kamaruddin

## Oral Session 4 (O4)

Venue : DK C

- 1625-1640 NAT 4C-1 **RESVERATROL DERIVATIVE COMPOUNDS FROM STEM BARK OF HOPEA AND THEIR BIOLOGICAL ACTIVITY TEST**  
Sri Atun, Nurfinaz Aznam, Retno Arianingrum, Syamsul A. Achmad and Niwa Masatake
- 1640-1655 NAT 4C-2 **SEPARATION AND QUANTIFICATION OF ANTIOXIDANTS IN PALM OIL**  
S. Kathiresan, Sabrina Mohd Noor, Teoh Siang Guan and Mas Rosemal H. Mas Haris
- 1655-1510 NAT 4C-3 **ANTIFUNGAL ACTIVITY OF METHANOL EXTRACT OF THE LUFFA ACUTANGULA (L.) ROXB FRUITS**  
Venty Suryanti, Zalinar Udin and Fitri Anggrainingsih
- 1510-1525 NAT 4C-4 **ANTIMICROBIAL ACTIVITY OF EXTRACTS AND NEW LIMONOIDS FROM SWIETENIA MACROPHYLLA KING LEAVES**  
Tan Seok Keik, Hasnah Osman, Wong Keng Chong, Boey Peng Lim, Pazilah Ibrahim and Baharuddin Sulaiman

## Oral Session 4 (O4)

Venue : SK 201

- 1625-1640 POLY 4 D-1 **PREPARATION AND PROPERTIES OF POLY(BUTYLENE SUCCINATE)/MONTMORILLONITE NANOCOMPOSITES**  
Y. L. Tu, W. M. Z. Wan Yunus, N. A. Ibrahim and M. Ahmad
- 1640-1655 POLY 4 D-2 **EFFECT OF BLOWING AGENT CONCENTRATION ON CELL MORPHOLOGY AND IMPACT PROPERTIES OF NATURAL RUBBER FOAM**

N. N. Najib, Z. M. Ariff, A. A. Bakar, N. A. Manan and C. S. Sipaut

1655-1510 POLY 4 D-3 **THE EFFECT OF TRIETHYLENE DIAMINE (TEDA) ON PROPERTIES OF WASTE PAPER FOAM COMPOSITES**  
Z. Dahlia, H. Salmah and O. Azlin

1510-1525 POLY 4 D-4

Oral Session 4 (O4)

Venue : SK 202

1625-1640 MAT 4E-1 **ONE-POT SYNTHESIS OF ORGANO-FUNCTIONALIZED SILICA NANOPARTICLES**

M. Jafarzadeh, I. A. Rahman and C. S. Sipaut

1640-1655 MAT 4E-2 **MECHANOCHEMICAL SYNTHESIS AND CHARACTERIZATION OF BISMUTH-NIOBIUM OXIDE ION CONDUCTORS**

S. N. Ng, Y. P. Tan and Y. H. Taufiq-Yap

1655-1510 MAT 4E-3 **INHIBITION OF COPPER CORROSION IN HCl AND H<sub>2</sub>SO<sub>4</sub> IN THE PRESENCE OF VARIOUS TANNINS**

Affaizza M. Shah, Afidah A. Rahim and Shafida A. Hamid

1510-1525 MAT 4E-4 **PREPARATION AND CHARACTERIZATION OF POLYURETHANE COATED WITH ARGENTUM BY DEPOSITION METHOD**

Liow Chi Hao, Khairiah Haji Badri and Sahrim Haji Ahmad

Oral Session 4 (O4)

Venue : SK 204

1625-1640 MAT 4F-1 **EFFECTS OF ALUMINA SAFFIL<sup>TM</sup> SHORT FIBRES REINFORCEMENT ON CORROSION BEHAVIOUR OF Al-COMPOSITE PREPARED BY POWDER METALLURGY**

Normah Cheman, Mohd Nazree Derman, Nur Maizatulshima and AzliShamsul Bahar Jamaludin

1640-1655 MAT 4F-2 **CYCLIC VOLTAMMETRIC DEPOSITION OF COPPER INDIUM DISULFIDE THIN FILMS AT DIFFERENT POTENTIAL RANGES**

Teo Sook Liang, Zulkarnain Zainal, Tan Wee Tee and Mohd Zobir Hussein

1655-1510 MAT 4F-3 **SYNTHESIS AND DOPING OF TITANIA NANOTUBES VIA ANODIZATION**

Leong Chui Mun, Srimala Sreekantan and Zainovia Lockman

1510-1525 MAT 4F-4 **INFLUENCE OF PRECURSOR'S GRAIN ON THE TEMPERATURE'S SYNTHESIS OF BORON CARBIDE**

M. Ahyani and B. Soegijono

Oral Session 4 (O4)

Venue : SK 205

1625-1640 OTH 4G-1 **CANCER RELATED MUTATION ON P53 DEFINES SPECIFIC BINDING SITES FOR EACH POTENTIAL REACTIVATOR**

Fajar Rakhman Wibowo, Okid Parama Astirin, Dyah Ratna Budiani and Yuniawan

Hidayat

- 1640-1655 OTH 4G-2 **INFLUENCE OF VARIABLE VISCOSITY ON NON-DARCY FREE CONVECTIVE HEAT AND MASS TRANSFER PAST A WEDGE IN THE PRESENCE OF CHEMICAL REACTION**  
R. Kandasamy and Muhaimin
- 1655-1510 MAT 4G-3 **SYNTHESIS OF NICKEL, RUTHENIUM AND RUTHENIUM-NICKEL NANOPARTICLES BY PHASE TRANSFER**  
N. A. Mohd Akib, S. R. Che Hak, W. L. Tan and M. Abu Bakar
- 1510-1525 MAT 4G-4 **A STUDY OF COMMINUTION-LIBERATION AND FLOATABILITY BEHAVIOR OF COPPER FROM PRINTED CIRCUIT BOARDS (PCB) SCRAP**  
H. Aimi Noorliyana, K. Zaheruddin, M. Fazlul Bari, M. Sri Asliza and H. Kamarudin

Oral Session 4 (O4)

Venue : SK 2

- 1625-1640 OTH 4H-1 **GENERATION OF PROTONIC ACID SITES FROM MOLECULAR HYDROGEN ON H-ZSM-5 BASED CATALYST**  
Malik Musthofa, Nurul Aini, Nur Hanis Hayati, Aishah Abdul Jalil and Sugeng Triwahyono
- 1640-1655 OTH 4H-2 **SPECIFICITY AND SENSITIVITY OF THE DIAGNOSTIC PROCEDURES (DIRECT FECAL SMEAR TECHNIQUE AND P11/P12 POLYMERASE CHAIN REACTION) IN DETECTING ENTAMOEBIA HISTOLYTICA INFECTIONS**  
Rosemarie L. Balatbat
- 1655-1510 OTH 4H-3 **THERMOPHORESIS EFFECTS ON NON-DARCY FREE CONVECTIVE HEAT AND MASS TRANSFER PAST A POROUS WEDGE IN THE PRESENCE OF CHEMICAL REACTION**  
Muhaimin and R. Kandasamy
- 1510-1525 OTH 4H-4 Yahya Mohammed Alamri

## Schedule

### Oral Presentation

Day 3: June 20, 2008 (Friday)

Oral Session 5 (O5)

Venue : DK A

- 1015-1030 OTH 5A-1 **INFLUENCE OF LEACHING PROCESS ON CHEMICAL PROPERTIES OF ROAD NO. 80 PROJECT SOIL IN HILLA CITY**  
Amer Atyah Al-Kalidy
- 1030-1045 OTH 5A-2 **DESIGN OF NOVEL CATALYSTS FOR PROTON REDUCTION BASED ON SYNTHETIC ANALOGUES OF BIOLOGICAL METALLO-SULPHUR ACTIVE SITES**  
Woi Pei Meng, Yatimah Alias and Christopher J. Pickett

- 1045-1100 ANALY 5A-3 **FABRICATION AND LABORATORY-TESTING OF HOME-MADE VOLTAMMETRIC ELECTRODES FROM ORDINARY PENCIL LEADS**  
Sean Gerard Ward, Asmad Afif Bin Hj Ismat and Jose H. Santos
- 1100-1115 ANALY 5A-4 **THE DEVELOPMENT OF POTENTIOMETRIC BIOSENSOR FOR URIC ACID BASED ON URICASE IMMOBILIZED ON CHITOSAN MEMBRANE**  
Ani Mulyasuryani, Anna Roosdiana, Sutrisno, and Arie Srihardiastuti
- 1115-1130 ANALY 5A-5 **SORPTION REMOVAL OF ARSENIC BY Ce (III)- And Ce (IV)-EXCHANGED ZEOLITE P**  
Farha Ab. Rahim, Md Jelas Haron, Abdul Halim Abdullah, Mohd Zobir Hussein and Anuar Kassim
- 1130-1145 ANALY 5A-6 **REMOVAL OF HEAVY METAL FROM INDUSTRIAL EFFLUENT USING CASUARINA EQUESTSITIFOLIA AS ION-EXCHANGER**  
Neha Apsingekar, P. N. Kamble and S. R. Kuchekar

Oral Session 5 (O5)

Venue : DK B

- 1015-1030 INVITED SPEAKER (IS 8) **IMPACT OF NANOTECHNOLOGY ON CONSUMER PRODUCTS**  
S. Mohan
- 1030-1045 MAT 5B-1 **TANNIN-BASED RIGID FOAMS**  
Gianluca Tondi, A. Pizzi, A. Celzard and G. Benevento
- 1045-1100 MAT 5B-2 **EFFECT OF METAL DOPANT ON THE PHYSICO-CHEMICAL AND CATALYTIC PROPERTIES OF VANADIUM PHOSPHORUS OXIDE CATALYSTS**  
C. S. Yuen, Y. H. Taufiq-Yap and R. Irmawati
- 1100-1115 MAT 5B-3 **ANODIC GROWTH OF HIGH-K DIELECTRIC ZIRCONIA ON SPUTTERED ZIRCONIUM FILM ON (100) SILICON IN ALKALINE CONDITION**  
Noor Rehan Zainal Abidin, Kuan Yew Cheong, Zainovia Lockman and Zainuriah Hassan
- 1115-1130 MAT 5B-4 **THE EFFECT OF SODIUM HYDROXIDE TREATED- OIL PALM EMPTY FRUIT BUNCH FIBER ON THE MECHANICAL PROPERTIES OF PALM-BASED POLYURETHANE COMPOSITES**  
Nor Rabbi'atul 'Adawiyah Norzali, Khairiah Haji Badri and Mohd. Sukor Su'ait

Oral Session 5 (O5)

Venue : DK C

- 1015-1030 ENV 5C-1 **USING WATER HYDROGEN INSTEAD OF NATURAL GAS IN THE INDUSTRY OF DIRECT REDUCED IRON (DRI)**  
Jaleel Kareem Ahmad
- 1030-1045 ENV 5C-2 **THE POTENSIMETRIC ANALYSIS OF CHLORIDE ION USING MODIFIED HETEROGENEOUS CHITOSAN MEMBRANES**  
Munaratul Aini Yahaya and Sulaiman Ab Ghani
- 1045-1100 ENV 5C-3 **MODIFICATION OF PALM FIBRE AND ITS INFLUENCE ON MECHANICAL PROPERTIES ON GREEN COMPOSITES**

S. Ragunathan, A. H. N. Izza, H. Salmah and H. Nurhawani

1100-1115 ENV 5C-4 **REMOVAL OF CATIONIC DYE FROM AQUEOUS SOLUTION BY IMMOBILISED OIL PALM SHELL MODIFIED BY CITRIC ACID**  
Yuen Mei Lian, Zulkarnain Zainal and Abdul Halim Abdullah

1115-1130 ENV 5C-5 **ASSESSMENT OF HAZARDOUS CHEMICALS RISKS IN LABORATORIES**  
Maazza Yousuf Abdullah, Nik A. Nik Norulain and Anees Ahmad

Oral Session 5 (O5)

Venue : SK 201

1015-1030 ORG 5D-1 **SYNTHESIS AND STRUCTURAL STUDIES OF ALKYL-2-(3-BENZOYLTHIOUREIDO) ACETATE FROM 2-(3-BENZOTHIUREIDO) ACETIC ACID**  
Ibrahim N. Hassan, Bohari M. Yamin and Mohmmad B. Kassim

1030-1045 ORG 5D-2 **THE INFLUENCE OF ACID CATALYST AND VARIOUS SOLVENTS ON DEHYDRATION PATCHOULI ALCOHOL IN PATCHOULI OIL TO THE PATCHOULENE CONTAIN**  
Rurini Retnowati, Masruri And Rika Dian Novitasari

1045-1100 ORG 5D-3 **A NOVEL SYNTHESIS OF MONO- AND HEXA-SUBSTITUTED CYCLOTRIPHOSHAZENES BEARING CHALCONES DERIVATIVES**  
Norashikin Irdawaty Abdul Rahman And Zainab Ngaini

1100-1115 ORG 5D-4 **SYNTHESIS AND BIOLOGICAL STUDY OF NEW THIAZOLE DERIVATIVES**  
Karem J. Sabah

1115-1130 ORG 5D-5 **SYNTHESIS OF TETRAHYDROXYPHENYL COMPOUNDS BASED ON SUZUKI COUPLING REACTION AND SUBZERO DEMETHYLATION REACTION**  
Law Kung Pui, Wong Woei Hung and Mohammad Kassim

Oral Session 5 (O5)

Venue : SK 202

1015-1030 POLY 5E-1 **COMPARATIVE STUDY OF THERMOPLASTICS ELASTOMERS BASED ON POLYPROPYLENE/VIRGIN ACRYLONITRILE BUTADIENE RUBBER (PP/NBR<sub>v</sub>) AND POLYPROPYLENE/RECYCLED ACRYLONITRILE BUTADIENE RUBBER (PP/NBR<sub>v</sub>) BLENDS**  
G. D. D. Galpaya, H. Ismail and Z. Ahmad

1030-1045 POLY 5E-2 **EFFECTS OF SURFACE MODIFIERS ON THE PROPERTIES OF CALCIUM CARBONATE FILLED POLYPROPYLENE/ ETHYLENE PROPYLENE DIENE TERPOLYMER COMPOSITES**  
Siti Rohana, H. Salmah and H. Kamarudin

1045-1100 POLY 5E-3 **PREPARATION AND CHARACTERIZATION OF LIGNIN GRAFT COPOLYMER**  
Mohamed Haras, M. N. Mohamad Ibrahim and C. S. Sipaut

1100-1115 POLY 5E-4 **MICROWAVE CURING OF EPOXIDISED PALM OIL CLAY**

## NANOCOMPOSITES

I. J. Shamsudin, W. M. Z. Wan Yunus, N. A. Ibrahim, M. Ahmad and T. L. Ooi

- 1115-1130 POLY 5E-5 **THE EFFECT OF FUNGICIDES ON THE DECAY RESISTANCE OF WOOD-PLASTIC COMPOSITES**  
S. Norhazariah, R. Mat Taib and Z. A. Mohd Ishak
- 1130-1145 POLY 5E-6 **EFFECT OF CHEMICAL MODIFICATIONS OF RICE HUSKS AS FILLER ON THE INTERFACE OF FILLER-MATRIX(NR/HDPE)BOND STRENGTH**  
Rahmadini Syafi

Oral Session 5 (O5)

Venue : SK 204

- 1015-1030 POLY 5F-1 **THE INFLUENCE OF LDPE/LLDPE FOAMS MORPHOLOGY TOWARDS THEIR IMPACT PROPERTIES**  
N. M. Nasir and Z. M. Ariff
- 1030-1045 POLY 5F-2 **LDPE – ISOPHTHALIC ACID MODIFIED EGG SHELL POWDER COMPOSITES (LDPE/ESPI)**  
Siti Shuhadah and Supri A. Ghani
- 1045-1100 POLY 5F-3 **MODIFICATION OF CHITOSAN POWDER USING 1-ADAMANTANE CARBONYL CHLORIDE MONOMER**  
Ku Marsilla Ku Ishak, Zulkifli Ahmad and Hazizan Md Akil
- 1100-1115 POLY 5F-4 **USING OF HPLC ANALYSIS FOR EVALUATION OF RESIDUAL MONOMER CONTENT IN DENTURE BASE MATERIAL AND THEIR EFFECT ON MECHANICAL PROPERTIES**  
Mohamed S. H., Al-Jadi Alb. M. and Ajaal T.
- 1115-1130 POLY 5F-5 **EFFECT OF SILANE-BASED COUPLING AGENT ON PROPERTIES OF RECYCLED NEWSPAPER FILLED POLYPROPYLENE/NATURAL RUBBER COMPOSITES**  
Hakimah Osman, Hanafi Ismail and Mariatti Mustapha
- 1130-1145 POLY 5F-6 **CHEMICAL AND RADIATION MODIFICATION OF RICE HUSK AS FILLER IN COMPOSITE OF HIGH-DENSITY POLYETHYLENE/NATURAL RUBBER (HDPE/NR) BLEND**  
Chong Ee Lane

Oral Session 5 (O5)

Venue : SK 205

- 1015-1030 INORG 5G-1 **PHYSICAL TRANSPORT PROPERTIES OF AMINE FUNCTIONALIZED IONIC LIQUID SYSTEMS**  
Nor Asrina Sairi, Yatimah Alias And Rozita Yusoff
- 1030-1045 INORG 5G-2 **SYNTHESIS OF ANATASE-TYPE NITROGEN-DOPED TITANIA MESOPORE THROUGH SOL GEL METHOD**  
Cahyorini Kusumawardani, Indriana Kartini and Narsito

- 1045-1100 INORG 5G-3 **SYNTHESIS AND CHARACTERIZATION OF PALLADIUM (II) N<sub>2</sub>O<sub>2</sub>-TETRADENDATE SCHIFF BASE COMPLEX AS CATALYST FOR HECK AND SUZUKI REACTION**  
Wan Nazihah Wan Ibrahim, Mustaffa Shamsuddin, Salasiah Endud, Bohari M. Yamin and Fun Hoong Kun
- 1100-1115 INORG 5G-4 **FLUORESCENCE PROPERTIES OF COMPLEXES OF 2-ANILINOPYRIDINE AND 2-N-(*m*-METHYLANILINO)PYRIDINE: EFFECT OF MANGANESE AND COPPER**  
Mohd Fairuz Zainal Abidin, Nordini Md Salleh, Zaharah Aiyub And Zanariah Abdullah
- 1115-1130 INORG 5G-5 **SYNTHESIS AND CHARACTERIZE TOLYL METHOXY BENZOHYDROXAMIC ACID**  
Abdualbasit M. Graisa, Yang Farina Abdul Aziz and Emad Yousif

Oral Session 5 (O5)

Venue : SK 2

- 1015-1030 MAT 5H-1 **RHEOLOGY STUDY OF BINDER SYSTEM BASED ON PALM STEARIN FOR POWDER INJECTION MOLDING (PIM) FEEDSTOCK**  
M. Azmirruddin, M. Muhamad, F.Z. Baharuddin, N. Azilah, R. Awang, S. Muhama and R. Ibrahim
- 1030-1045 MAT 5H-2 **EFFECTS OF 2, 4-DITERT-BUTYLPHENYL PHOSPHITE TO THERMAL AGING OF LOW DENSITY PALM-BASED POLYURETHANE COMPOSITE**  
Norhafiza Yuhana Baderuliksah, Khairiah Haji Badri and Rusli Daik
- 1045-1100 MAT 5H-3 **FORMATION OF TRANSPARENT CONDUCTING OXIDE FILM BASED ON CuO AND Cu<sub>2</sub>O BY CHEMICAL DEPOSITION PROCESS**  
Nur Aimi Jani, Zainovia Lockman, Noor Rehan Zainal Abidin, Ong Yeewei And Ahmad Fauzi Mohd. Noor
- 1100-1115 MAT 5H-4 **NANOSTRUCTURE OF VANADIUM PHOSPHORUS OXIDE (VPO) CATALYST PREPARED BY SONOCHEMICAL TREATMENT**  
Y. C. Wong, Y. H. Taufiq-Yap, Z. Zainal and M. Z. Hussein
- 1115-1130 MAT 5H-5 **INVESTIGATION OF SILICON NANOPARTICLES: THE EFFECT OF THE CAPPING MOLECULES ON SILICON NANOPARTICLES**  
Bee Yen Foo and Geok Bee The
- 1130-1145 MAT 5H-6 **ANNEALING TITANATE PROCESS OPTIMATION ON GROWING BARIUM STRONTIUM THIN FILMS: CRYSTALLOGRAPHIC CONSIDERATION**  
Y. Iriani, M. Hikam, B. Soegiyono, A. Jamaludin and N. Sueta

## Schedule

### Poster Presentation

Day 1: June 18, 2008 (Wednesday)

#### Session 1 (P1)

Venue: Foyer SK

- 1. ANALY P1-1 DETERMINATION OF PHENOLIC COMPOUNDS IN SEAWEED SAMPLES BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**  
Nataporn Wijit, Sunanta Wangkarn and Mongkon Rayanakorn
- 2. ANALY P1-2 ELECTROCHEMICAL REDUCTION OF FERROUS FERRICYANIDE MEDIATED BY MAGNESIUM DIBORIDE MODIFIED CARBON ELECTRODE**  
Tan Wee Tee, Imad Hamadneh, Zulkarnain Zainal, Darlene Banan and Mohd Farhan Yusri
- 3. ANALY P1-3 SYNTHESIS OF A CALIXARENE DERIVATIVE AND ITS ANALYTICAL APPLICATION AS CHEMICAL SENSOR**  
Riyadh Hassan, Bahruddin Saad, Shafida Abd. Hamid and Abdussalam Salhin Mohamad Ali
- 4. ANALY P1-4 DETERMINATION OF MACRONUTRIENTS AND TRACE ELEMENTS IN *PHYLLANTHUS SPP.***  
Haslinda Mohd Salleh, Zaharah Aiyub, Nor Kartini Abu Bakar, Khalijah Awang, A. Hamid A. Hadi, Badrul Hisyam, Ratna, M. Kuppasamy and Norsita Tohar
- 5. ANALY P1-5 METHOD DEVELOPMENT AND VALIDATION FOR SELECTED ORGANOCHLORINE PESTICIDES IN HAIR USING GAS CHROMATOGRAPH-MASS SPECTROMETER**  
Juliana Mohd Noor, Che Nin Man and Razak Hj. Lajis
- 6. ENV P1-1 REMOVAL OF Pb(II) AND Cd(II) IONS FROM AQUEOUS SOLUTION BY *ASPERGILLUS WENTII* BIOMASS**  
Anis Shofiyani, Siti Khotimah and Gusrizal
- 7. ENV P1-2 RESIDUE LEVELS OF ORGANOPHOSPHORUS PESTICIDES ON FRUITS AND VEGETABLES – A MARKET BASKET STUDY**  
Jamaliah Jaafar and Noor Haslina Abd Hamid
- 8. ENV P1-3 DISTRIBUTION AND CONCENTRATION LEVELS OF PCBS AND OCPS IN THE MAJOR RIVERS OF SOUTHERNMOST OF THAILAND**  
Abd Naser Haji Samoh, Md Sani Ibrahim and Phouthong S.
- 9. ENV P1-4 SORPTION OF Cu (II), AND Zn (II) FROM AQUEOUS SOLUTION BY POWDERED SANTOL (*SANDORICUM KOETJAPE MERR.*) RIND**  
Alex A. Tardaguila, Eric R. Punzalan, Jennifer C. Sy, Joanna A. Astorga, Corazon S. Bumanglag and Dennis S. J. Tuyogon
- 10. ENV P1-5 GEOCHEMISTRY OF Pb, Cu, AND Zn IN SURFACE SEDIMENTS OF PULAU TUBA MANGROVE FOREST, LANGKAWI, KEDAH**  
Shuhada N. T., Kamaruzzaman B. Y., Shahbudin B. S., Jalal K.C.A. and Rahah S. M
- 11. ENV P1-6 PREPARATION OF ACTIVATED CARBON FROM OIL PALM EMPTY FRUIT BUNCH BY PHOSPHORIC ACID ACTIVATION**  
F. W. Shaarani, A. L. Ahmad and B. H. Hameed
- 12. ENV P1-7 REMOVAL OF Pb(II) IONS FROM AQUEOUS SOLUTION USING CHITOSAN**



**BEADS AND CHITOSAN-TRIPOLYPHOSPHATE BEADS**

S. Fatinathan and W. S. Wan Ngah

13. **IND P1-1** **DETERMINATION OF MEMBERSHIP FUNCTION AND FUZZY RULES FOR FAULT DETECTION DEVELOPMENT OF AN ESTERIFICATION PROCESS**  
S. A. Syed Ab Rahman, M. Z. Abu Bakar, Z. Ahmad and S. A. Sata
14. **INORG P1-1** **RING OPENING OF WOOLLINS' REAGENT BY [CPMO(CO)<sub>2</sub>]<sub>2</sub>: FORMATION OF CP<sub>2</sub>MO<sub>2</sub>(SEPPH)<sub>4</sub>, CP<sub>4</sub>MO<sub>4</sub>(CO)<sub>3</sub>SE<sub>4</sub> AND CP<sub>3</sub>MO<sub>3</sub>(CO)<sub>4</sub>[SE<sub>3</sub>(PPH)<sub>2</sub>] VIA PHOSPHORUS-SELENIUM BOND CLEAVAGE FOLLOWED BY FRAGMENT AGGREGATION**  
Richard C. S. Wong, Mei Lee Ooi and Ngue Chin May
15. **INORG P1-2** **FLUOROMETRIC ANALYSIS OF METAL COMPLEXES OF PYRIMIDINE DERIVATIVES**  
Edura Badaruddin, Zaharah Aiyub and Zanariah Abdullah
16. **INORG P1-3** **COMPLEXES OF 2-THIOACETIC ACID BENZOTHAZOLE WITH SOME METAL IONS**  
Emad Yousif, Yang Farina Abdul Aziz, Khawla Kasar and Kumail Ayid
17. **INORG P1-4** **THE STRUCTURAL CHARACTERIZATION OF METAL CARBOXYLATES: Cu(HCOO)<sub>2</sub>·4H<sub>2</sub>O AND Cu<sub>2</sub>(CH<sub>3</sub>COO)<sub>4</sub>·2H<sub>2</sub>O**  
Julita C. Robles and Wyona C. Patalinghug
18. **MAT P1-1** **SPECTROSCOPIC INVESTIGATION ON NOX ADSORPTION AND REDUCTION BY ZrO<sub>2</sub>/Al<sub>2</sub>O<sub>3</sub>-PILLARED SAPONITE**  
Is Fatimah, Karna Wijaya and Narsito
19. **MAT P1-2** **ELECTROCHEMICAL STUDIES OF ErBa<sub>2</sub>Cu<sub>3</sub>O<sub>7-δ</sub> SUPERCONDUCTOR**  
M.F. Nazarudin, Z. Zainal, W.T. Tan and I. Hamadneh
20. **MAT P1-3** **PREPARATION AND CHARACTERIZATION OF NATURAL HYDROXYAPATITE FROM BOVINE BONE**  
Shahrizal M. H., Sri Asliza M. A., Nazree D. and Zaheruddin K.
21. **MAT P1-4** **FORMATION OF HIPPURATE NANOHYBRID COMPOUND BY DIRECT CO-PRECIPITATION AND RECONSTRUCTION METHODS**  
Mohd Zobir Hussein, Asmah Hj Yahaya and Faiza Abd Bahar
22. **MAT P1-5** **OPTIMIZATION PARAMETERS OF ETHYLENE VINYL ACETATE CROSSLINK PROCESSING AND THE EFFECT OF PEROXIDE CONCENTRATION ON THERMAL AND MECHANICAL PROPERTIES**  
A. Yahya, C .S Sipaut and M. Mukhtar
23. **MAT P1-6** **APPLICATION OF LOW PRESSURE COMPRESSION MOULDING MACHINE EFFECT OF LAMINATING METHODS ON STRENGTH PROPERTIES**  
Bernard Maringgal, Khalina Abdan, Siti Hasnah Kamaruddin and Faizal Abdul Rahman
24. **MAT P1-7** **MORPHOLOGY AND MECHANICAL PROPERTIES OF MODIFIED UPR FROM RECYCLE PET WITH LIQUID NATURAL RUBBER**  
Siti Farhana Hisham, Ishak Ahmad, Rusli Daik, Anita Ramli and Ibrahim Abdullah
25. **MAT P1-8** **ELECTROCHEMICAL DEPOSITION OF GOLD NANOPARTICLES ON RETICULATED VITREOUS CARBON**  
Yap Chin Yean and Norita Mohamed

26. **MAT P1-9** **Effect Of Manganese Dioxide On The Supercapacitance Properties Of Carbon Nanotubes Nanocomposites**  
Fan Mun-Sing and Sharif Hussein Sharif Zein
27. **MAT P1-10** **COMPARATIVE STUDY OF OXIDATIVE DECOMPOSITION BEHAVIOUR OF VEGETABLE OILS AND ITS CORRELATION WITH IODINE VALUE USING THERMAGRAVIMETIC ANALYSIS**  
Wan Tatt Wai
28. **NAT P1-1** **OPTIMIZATION CONDITION OF THE BIOSURFACTANTS PRODUCTION BY *PSEUDOMONAS FLUORESCENS* USING WHEY TOFU AS MEDIA**  
Venty Suryanti, Desi Suci Handayani, Soerya Dewi Marliyana and Sri Suratmi
29. **NAT P1-2** **CONFORMATIONAL SPACES OF QUININE DERIVATIVES**  
Aiyi Asnawi, As'ari Nawawi, R.E. Kartasasmita and Slamet Ibrahim
30. **NAT P1-3** **ANTIMICROBIAL ACTIVITY OF EIGHT MEDICINAL PLANTS FROM MALAYSIA**  
Sri Nurestri Abd Malek, Sim Kae Shin, Koshy Philip, Hong Sok Lai, Lee Guan Serm, Syarifah Nur Syed Abdul Rahman and Gowri Kanagasabapathy
31. **NAT P1-4** **BISBENZYLISOQUINOLINE ALKALOIDS FROM *ALSEODAPHNE CORNERI***  
Azeana Zahari, Siti Azizah, Mohd Azlan Nafiah, Mat Ropi Mukhtar, Khalijah Awang and A.Hamid A.Hadi
32. **NAT P1-5** **SUPERCRITICAL CARBON DIOXIDE EXTRACTION OF *CATHARANTHUS ROSEUS***  
Fouzia A. Sattar, Devi Rosmy Syamsir, Norsita Tohar and Khalijah Awang
33. **NAT P1-6** **SECONDARY METABOLITES FROM *CRATOXYLUM GLAUCUM* AND *C. ARBORESCENS***  
W. C. Sim, Y. P. Lee, H. Y. Choo and G. C. L. Ee
34. **NAT P1-7** **STRUCTURAL ELUCIDATION OF AN ANTHRAQUINONE FROM *CASSIA ALATA***  
Hazrina H. and Choo C.Y.
35. **NAT P1-8** **STUDY ON *PIPER MURICATUM* BLUME AND ITS DIFFERENT FRACTIONS BY FOURIER TRANSFORM INFRARED SPECTROSCOPY AND TWO DIMENSIONAL CORRELATION IR SPECTROSCOPY**  
Fauziah A., Salbiah M. and Ling S. K.
36. **NAT P1-9** **A STYRYL LACTONE FROM *GONIOTHALAMUS MACROPHYLLUS***  
Hamidah S. A., and Choo C. Y.
37. **NAT P1-10** **TOTAL POLYPHENOL CONTENT AND ANTIOXIDANT ACTIVITIES OF *ZIZYPHUS MAURITIANA* LAM.**  
Nornaemah M. Bakhir, Hasnah Osman and Shafida Abdul Hamid
38. **NAT P1-11** **SYNTHESIS OF PRECIPITATED CALCIUM CARBONATE (PCC) VIA CONTINUOUS SPRAYED-MIST PRODUCTION TECHNIQUE**  
Roniza Ismail, Kamar S. Ariffin, Norlia Baharun, Roshaida Arbain and Norashid Aziz
39. **ORG P1-1** **SYNTHESIS AND FLUORESCENCE CHARACTERISTIC OF 2-N-ALKYLAMINO-**

## 5-NITROPYRIDINE

Zainal Abidin Hasan, Zanariah Abdullah and Hairul Anuar Tajuddin

40. **ORG P1-2** **REGIOSELECTIVE SYNTHESIS OF GLUCOSE BASED GEMINI SURFACTANT BY USING SOLVENTLESS TRANSACIDOLYSIS PROCESS**  
H. F. Khoh, K. Dzulkefly, K. Anuar, F. B. H. Ahmad and M. S. Atan
41. **ORG P1-3** **SYNTHESIS OF POLYMETHOXYFLAVONES**  
Muhammad Syamil Azahar, Farediah Ahmad and Hasnah Mohd. Sirat
42. **ORG P1-5** **ARTIFICIAL NEURAL NETWORK MODEL FOR PREDICTING CARCINOGENICITY POLYCYCLIC AROMATIC HYDROCARBONS (PAHs) USING CONSTITUTIONAL AND TOPOLOGICAL DESCRIPTORS**  
Jennifer C. Sy, Alex A. Tardaguila, Dennis S. J. Tuyogon and Eric R. Punzalan
43. **OTH P1-1** **OPTIMIZATION OF ENZYMATIC SYNTHESIS OF ENKABANG WAX ESTERS USING RESPONSE SURFACE METHODOLOGY (RSM)**  
N. F. A. Rahman, M. Basri, M. B. A. Rahman, A. B. Salleh and R. N. Z. A. Rahman
44. **OTH P1-2** **EFFECT OF SILICA RATIO ON THE RATE OF DYNAMIC MODIFICATION OF ACID SITE ON H-ZSM-5 SOLID CATALYST**  
Malik Musthofa, Nurul Aini, Aishah Abdul Jalil and Sugeng Triwahyono
45. **OTH P1-3** **INFLUENCE OF HYDROCOLLOIDS ON THE RHEOLOGY AND STABILITY OF IBUPROFEN-LOADED NANOEMULSIONS**  
Ummi Hani Abdullah, Mahiran Basri, Mohd. Basyaruddin Abd. Rahman, Rosnah Ismail, Raja Noor Zaliha Raja Abd. Rahman and Abu Bakar Salleh
46. **OTH P1-4** **A DEVELOPMENT AND SINGLE-LABORATORY VALIDATION FOR DETERMINATION OF PHENYLALANINE AND ASPARTAME IN SOFT DRINK BY HIGH PERFORMANCE LIQUID CHROMATOGRAPHY**  
Khairuddin M. T., Hamanyza A. H., Rafidah M. Y. and Aida Fariyah M.
47. **PHY P1-1** **CONDUCTIVITY AND SPECTROSCOPIC STUDY OF MOLECULAR COMPLEXES OF DIBENZO-18-CROWN-6, TETRACYANOETHYLENE WITH POTASSIUM IODIDE IN THE PRESENCE OF MICELLAR MATRIX**  
Amina Aljaber
48. **PHY P1-2** **ELECTRICAL CONDUCTIVITY OF CHLOROPHYLL WITH POLYTHIOPHENE THIN FILM ON INDIUM TIN OXIDE AS P-N HETEROJUNCTION SOLAR CELL**  
S. Hasiah, K. Ibrahim, H.B. Senin and K. B. K. Halim
49. **POLY P1-1** **PREPARATION AND CHARACTERIZATION OF N-(2-SULFOBENZOYL)CHITOSAN (SBC), CHITOSAN CITRATE (CC), AND N-(2-SULFOBENZOYL)CHITOSAN CITRATE (SBC-CC)**  
Dennis S. J. Tuyogon, Alex A. Tardaguila and Eric R. Punzalan
50. **POLY P1-2** **THERMAL PROPERTIES OF CALCIUM CARBONATE FILLED POLYPROPYLENE/ ETHYLENE PROPYLENE DIENE TERPOLYMER COMPOSITES**  
Siti Rohana, H. Salmah and H. Kamarudin
51. **POLY P1-3** **THE EFFECT OF FIBRE PARTICLE SIZE AND INITIATOR CONCENTRATION TO THE MECHANICAL PROPERTIES OF GREEN POLYBLEND OF POLYPROPYLENE RECYCLE FILLED NATURAL FIBRE**

Neng Sri Suharty, Basuki Wirjosentono, Maulidan Firdaus and Galuh Kusuma Wardani

52. **POLY P1-4** **EFFECT OF SOAKING TEMPERATURE ON TENSILE PROPERTIES OF NATURAL RUBBER LATEX FILMS WITH DIFFUSION OF CURATIVES METHOD**  
Hamidah Harahap, Baharin Azahari and Mas Rosemal Hakim Mas Haris
53. **POLY P1-5** **EFFECT OF FILLER LOADING OF WASTE TYRE DUST FILLED ACRYLONITRILE BUTADIENE STYRENE COMPOSITES**  
Supri A. Ghani and M. N. Nurhidayat
54. **POLY P1-6** **HYDROGELS FROM CARBOXYMETHYL CELLULOSE / 1-VINYL-2-PYRROLIDONE INTERPENETRATING POLYMER NETWORKS AS DELIVERY MATRICES: THE EFFECT OF CROSS-LINKER ON VARIOUS BLEND RATIOS AND DOSE RATE**  
Norhanifah Mohd Yazid, Mansor B. Ahmad, Nor Azowa Ibrahim and Kamaruddin Hashim
55. **POLY P1-7** **PROPERTIES OF THERMOPLASTIC ELASTOMER BASED ON POLYPROPYLENE/RECYCLED ACRYLONITRILE BUTADIENE RUBBER BLEND**  
G. D. D. Galpaya, H. Ismail and Z. Ahma
56. **POLY P1-8** **SYNTHESIS AND EVALUATION OF A MOLECULARLY IMPRINTED POLYMER FOR THE SOLID PHASE EXTRACTION (SPE) OF CURCUMIN**  
A. K. M. Shafiqul Islam, Mohd Noor Ahmad, Emi Shaqiza and Ali Yeon Md. Shakaff

## **Schedule**

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### **Poster Presentation**

Day 2: June 19, 2008 (Thursday)

**Session 2( P2)**

**Venue: Foyer SK**

57. **ANALY P2-1** **ADSORPTION OF TARTRAZINE FROM AQUEOUS SOLUTIONS USING CHITOSAN-COATED BENTONITE BEADS: KINETICS AND EQUILIBRIUM STUDIES**  
W. S. Wan Ngah and N. F. M. Ariff
58. **ANALY P2-2** **OPTIMIZATION OF SOLID-PHASE MICROEXTRACTION METHOD FOR GC-FID DETERMINATION OF PAHS IN *HYOPHILA INVOLUTA* AS A BIOSENSOR**

Richard Wong Chee Seng, Elizabeth Fong Yew Mei and Yong Kien Thai

59. **ANALY P2-3** **ADSORPTION OF COPPER IONS FROM AQUEOUS SOLUTIONS BY WATER WASHED RUBBER (*HEVEA BRASILIENSIS*) LEAF POWDER: EFFECT OF PARTICLE SIZE, DESORPTION AND REGENERATION STUDIES**  
W. S. Wan Ngah and M. A. K. Megat Hanafiah
60. **ANALY P2-4** **AMPEROMETRIC GLUTAMATE BIOSENSOR BASED ON PHOTOCURABLEPOLY(2-HYDROXYLETHYL METHACRYLATE)-CONTAINING FERROCENE FILM**  
Noor Zuhartini Md Muslim, Lee Yook Heng, Musa Ahmad and Bahruddin Saad
61. **ANALY P2-5** **ELECTROCHEMICAL STUDIES OF COPPER (II) TERNARY COMPLEX AND ITS INTERACTION WITH DNA**  
C. W. Yaw, W. T. Tan, C. H. Ng and W. S. Tan
62. **ANALY P2-6** **MACRONUTRIENTS AND TRACE METALS ANALYSIS IN THE MEDICINAL PLANT OF *PHOEBE GRANDIS***  
Nurur Raudzah Md.Nor, Zaharah Aiyub, Nor Kartini Abu Bakar and Khalijah Awang
63. **ENV P2-1** **DETERMINATION OF MTBE AND RELATED OXYGENATE COMPOUNDS IN WATER BY DISPERSIVE LIQUID-LIQUID MICROEXTRACTION AND GAS CHROMATOGRAPHY-MASS SPECTROMETRY DETECTION**  
Ali Reza Faizbakhsh, Hakim Faraji and Masoumeh Helalizadeh
64. **ENV P2-2** **REMOVAL OF CU (II) AND CD (II) FROM AQUEOUS SOLUTION BY CHICO (*MANILKARA ZAPOTA*) RIND: EQUILIBRIUM AND KINETICS STUDIES**  
Alex A. Tardaguila, Joanna A. Astorga, Corazon S. Bumanglag and Jennifer C. Sy
65. **ENV P2-3** **DEGRADATION OF BISPHENOL-A IN AQUEOUS SOLUTION BY OZONATION**  
Tay Kheng Soo, Noorsaadah Abd. Rahman and Mhd. Radzi Abas
66. **ENV P2-4** **IMMOBILIZATION OF DITHIZONE ON CHITIN ISOLATED FROM PRAWN SEAWATER SHELLS (*P. MERGUENSIS*) AND ITS PRELIMINARY STUDY FOR THE ADSORPTION OF Cd(II) ION**  
Mudasir, Ginanjar Raharjo, Iqmal Tahir and Endang Tri Wahyuni
67. **ENV P2-5** **GEOPHYSICAL SELF-POTENTIAL (SP) TECHNIQUE FOR SUBSURFACE HYDROGEOLOGICAL INVESTIGATION AND CHARACTERIZATION**  
Nik Nur Azza Nik Adik, Kamar S. Ariffin and Mohd. Shahrul Saad
68. **ENV P2-6** **GEOACCUMULATION AND ENRICHMENT OF ALUMINIUM, CHROMIUM, COPPER, LEAD AND ZINC (Al, Cr, Cu, Pb AND Zn) IN SURFACE SEDIMENT FROM TANJUNG LUMPUR MANGROVE FOREST, PAHANG, MALAYSIA**  
Z. Rina Sharlinda, H. Hamidah Nor and Y. Kamaruzzaman
69. **IND P2-1** **OPTIMIZATION OF REACTION PARAMETERS FOR EPOXIDATION OF PALM METHYL ESTER**  
P. L. Lee, W. M. Z. Wan Yunus, S. K. Yeong and Dzulkefly K.
70. **IND P2-2** **THE SYNTHESIS OF 6-AMINO-5-ACETYLAMINOURACIL AND ITS**

**APPLICATION IN THE SELECTIVE EXTRACTION OF GOLD AND SILVER  
IN Cu-CONCENTRATE**

Bambang Rusdiarso, Danar Purwonugroho and Suhartana

71. **INORG P2-2** **SYNTHESIS AND CHARACTERIZATION OF BISMUTH TANTALATE BINARY MATERIALS FOR POTENTIAL APPLICATION IN MULTILAYER CERAMIC CAPACITORS (MLCC)**  
K. B. Tan and F.G. Anna
72. **INORG P2-3** **SYNTHESIS AND STRUCTURAL STUDIES OF SOME DIORGANOTIN COMPLEXES CONTAINING SCHIFF BASE LIGANDS**  
S. M. Lee and K. M. Lo
73. **INORG P2-4** **SYNTHESIS AND STRUCTURAL CHARACTERIZATION OF ORGANOTIN (IV) COMPLEXES WITH PYRUVIC ACID-4-HYDROXYBENZHYDRAZONE (H<sub>3</sub>PAB): X-RAY CRYSTAL STRUCTURE OF [nBu<sub>2</sub>Sn(HPAB)]**  
I. P. P. Foo, M. A. Affan and B. A. Fasihuddin
74. **INORG P2-5** **RING OPENING OF WOOLLINS' REAGENT BY [CpMo(CO)<sub>2</sub>]<sub>2</sub>: FORMATION OF CpMo<sub>2</sub>(SePPh)<sub>4</sub>, CpMo<sub>4</sub>(Co)<sub>3</sub>Se<sub>4</sub> AND Cp<sub>3</sub>Mo<sub>3</sub>(CO)<sub>4</sub>[Se<sub>3</sub>(PPh)<sub>2</sub>] via PHOSPHORUS-SELENIUM BOND CLEAVAGE FOLLOWED BY FRAGMENT AGGREGATION**  
Ngue Chin May
75. **MAT P2-1** **ADSORPTION OF ALIZARIN RED SAND METHYL ORANGE ON MESOPOROUS METHYL-MODIFIED SILICA XEROGELS**  
Eko Sri Kunarti
76. **MAT P2-2** **CHARACTERIZING THE NON-SULFIDED METAL CATALYST (Mo/USY AND NiMo/USY)**  
Khoirina Dwi Nugrahaningtyas, Wega Trisunaryanti, Dian Maruto Widjonarko, Triyono, Mulyani and Ari Yusnani
77. **MAT P2-3** **A PRELIMINARY STUDY OF COPPER FLOATABILITY USING MODIFIED HALLIMOND TUBE**  
H. Aimi Noorliyana, K. Zaheruddin, M. Fazlul Bari, M. Sri Asliza, and H. Kamarudin
78. **MAT P2-4** **THE EFFECT OF ZINC OXIDE ON ETHYLENE VINYL ACETATE FOAM FORMATION**  
H. A. Halim, C. S. Sipaut and J. P. H. Seng
79. **MAT P2-5** **SYNTHESIS AND CONTROLLED RELEASE PROPERTY OF PHENOXYHERBICIDES-LAYERED DOUBLE HYDROXIDE NANOHYBRIDS**  
Mohd Zobir Hussein, Norhayati Hashim, Asmah Hj. Yahaya and Zulkarnain Zainal
80. **MAT P2-6** **POTENTIAL OF CARBON NANOTUBES AS BIOCATALYST SUPPORT: A REVIEW**  
A. K. UmiNatrah, H. K. Azlina and Shariff Hussein Sarif Zein
81. **MAT P2-7** **NEW SOLAR CELLS MATERIAL FROM TERNARY CHALCOGENIDE COMPOUNDS Cu<sub>4</sub>SnS<sub>4</sub>**  
K. Anuar, S. M. Ho, W. T. Tan and N. Saravanan
82. **MAT P2-8** **EFFECT OF MANGANESE OXIDE ON THE ELECTRICAL PROPERTIES OF POLY VINYL ALCOHOL/MULTI WALLED CARBON NANOTUBES FOR**

## **SUPERCAPASITOR MATERIAL**

Wan Nurul Huda Wan Zainal and Sharif Hussein Sharif Zein

83. **MAT P2-9** **HIGH PERFORMANCE ASYMMETRIC SUPERCAPACITOR FROM MANGANESE/NICKEL OXIDE-CARBON NANOTUBE BASED COMPOSITE ELECTRODE**  
Meisam K. Valizadeh, Suhairi A. Sata, Surani Buniran, Hassan J. Adeli, Mehrnoush Khavarian and Sharif Hussein Sharif Zein
84. **NAT P2-1** **PHYTOCHEMICAL AND BIOLOGICAL SCREENING OF *ANREDERA CORDIFOLIA* (TEN)STEENIS LEAVES USING *ARTEMIA SALINA* (BRINE SHRIMP TEST)**  
Ratna D., Wahyudi P., Wahono S. and Heri A.
85. **NAT P2-2** **EVALUATION OF *FICUS DELTOIDEA* EXTRACTS ON METHICILLIN-RESISTANT *STAPHYLOCOCCUS AUREUS* (MRSA) INHIBITION**  
Hazrina H., Ilyanie H. Y., Wong T. W. and Choo C. Y.
86. **NAT P2-3** **TOTAL GLUCOSINOLATE CONTENT OF LOCAL VEGETABLES AND EFFECTS OF PROCESSING AND STORAGE ON BROCCOLI (*BRASSICA OLERACEA* L. VAR *ITALICA*) GLUCOSINOLATES**  
Raymond S. Malabed, Fionnah L. Sandoval and Marissa G. Noel
87. **NAT P2-4** **CHEMICAL CONSTITUENTS OF *KAEMPFERIA ROTUNDA***  
S. F. Yau and Hasnah M. Sirat
88. **NAT P2-5** **EXTRACTIVES FROM THE GENUS *HETEROPYXIS***  
Abdelhafeez M.A. Mohammed, Philip H. Coombes, Neil R. Crouch and Dulcie A. Mulholland
89. **NAT P2-6** **ALKALOID DERIVATIVES FROM *PHOEBE TAVOYANA***  
Hanita Omar, Anissuhailin Zainal Abidin, Wan Nurul Nazneem Wan Othman, Norlailey Amad, Mohd Azlan Nafiah, Mat Ropi Mukhtar, A. Hamid A. Hadi and Khalijah Awang
90. **NAT P2-7** **ANTHRAQUINONES FROM *MORINDA CITRIFOLIA* AND THEIR LARVICIDAL ACTIVITIES**  
Y. P. Wen, P. B. Khoo, G. C. L. Ee and M. A. Sukari
91. **NAT P2-8** **ALKALOIDS OF *PHOEBE GRANDIS***  
Anissuhailin Zainal Abidin, Noraini Kasim, Rosliza Ali, Mat Ropi Mukhtar, Khalijah Awang and A.Hamid A. Hadi
92. **NAT P2-9** **STEREOCHEMICAL STUDY OF 7 $\alpha$ -9, 11-EREMOPHILADIEN-8-ONE AND 7(11),9-EREMOPHILADIEN-8-ONE ISOLATED FROM *CYPERUS KYLLINGIA* EDL**  
Nurraihana Hamzah, Hasnah Osman and K. C. Wong
93. **NAT P2-10** **COMPARATIVE STUDY ON ANTHOCYANIN CONTENTS AND ANTIOXIDATIVE ACTIVITY OF TEN ROSELLE CULTIVARS**  
Salmah Yusof, Marziah Mahmud, Suhaili Shamsi and Farah Hanum Hussin
94. **ORG P2-1** **SYNTHESIS, CHARACTERIZATION OF SCHIFF BASES AND ITS APPLICATION AS CORROSION INHIBITOR AT ALUMINIUM METAL IN 0.5M HCl SOLUTION**

Mohd. Hazwan Hussin, Shafida Abd. Hamid and Mohammed Hadi Al-Douh

95. **ORG P2-2** **LIPASE –CATALYZED ESTERIFICATION OF BETULINIC ACID IN ORGANIC SOLVENTS USING PHTHALIC ANHYDRIDE AS ACYLATING AGENT**  
Fuajan B.H. Ahmad, Mansour Ghaffari Moghaddam, Mahiran Basri and Mohd. Basyarudin
96. **ORG P2-3** **SYNTHESIS AND FLUORESCENCE STUDIES OF 2-PHENOXYPYRIMIDINE AND 2-(M-METHYLPHENOXY)PYRIMIDINE**  
Maizathul Akmam A. Bakar, Zanariah Abdullah and Zaharah Aiyub
97. **ORG P2-4** **ANTIMICROBIAL AND ANTIOXIDANT ACTIVITY OF *PIPER NIGRUM* AND *PIPER MINIATUM* ESSENTIAL OIL**  
Mohd Fariz Kammil, Farediah Ahmad and Hasnah Mohd Sirat
98. **ORG P2-5** **FLUORESCENCE CHARACTERISTICS OF SELECTED QUINOXALINE DERIVATIVES: EFFECT OF SUBSTITUENTS**  
Azila Mohd Idris, Zanariah Abdullah and Azhar Ariffin
99. **ORG P2-6** **SYNTHESIS AND MESOMORPHIC PROPERTIES OF SCHIFF BASE ETHERS 4-(DIMETHYLAMINO)BENZYLIDENE-4-ALKYLOXYANILINES**  
Sie-Tiong Ha, Joanna Pik-Wan Wong, Lay-Khoon Ong, Guan-Yeow Yeap and Peng-Lim Boey
100. **OTH P2-1** **ELECTROPHORETIC PROFILES OF WATER AND SALT-SOLUBLE PROTEINS FROM THE SEEDS OF CITRUS SPECIES AS GENETIC MARKERS**  
Jose Isagani B. Janairo, Kenneth F. Saulog and Nancy Lazaro-Llanos
101. **OTH P2-2** **BIOORGANIC SYNTHESIS OF WAX ESTER BY IMMOBILIZED LIPASE**  
Salina Mat Radzi, Siti Salhah Othman, Syamsul Kamar Muhammad@Wahab, Mahiran Basri and Mohamad Basyaruddin Abdul Rahman
102. **OTH P2-3** **EFFECT OF CHAIN LENGTH AND DOUBLE BOND ON THE EMULSIFICATION BEHAVIOR OF FATTY ACID ESTERS WITH TWEEN 80**  
I. D. M. Azmi, M. Basri, M. B. A. Rahman, AB. Salleh and R. N. Z. R. A. Rahman
103. **OTH P2-4** **AGEING EFFECT ON RHEOLOGICAL PROPERTIES OF CONCENTRATED OLIVE O/W EMULSION**  
Tan Hsiao Wei and Misni Misran
104. **OTH P2-5** **MASS TRANSFER STUDY ON PHOSPHORIC ACID TRANSFER BETWEEN AQUEOUS AND ORGANIC PHASES IN A SPRAY COLUMN**  
R Davarnejad, M Manteghian, A R Moghadassi
105. **PHY P2-1** **CHARACTERIZATION OF AQUEOUS SOLUTIONS OF MIXTURES OF CHITOSAN AND AGAR**  
Esam. A. El-hefian, Mohamed Mahmoud Nasef and A. H. Yahaya
106. **PHY P2-2** **EVALUATION ON NO<sub>x</sub> STORAGE AND REDUCTION BY Pt-ZEOLITE**  
Arif Hidayat and Is Fatimah
107. **POLY P2-1** **EFFECTS HARD/SOFT SEGMENT CONTENT ON THE SURFACE AND THERMAL PROPERTIES OF OLEIC-BASED POLY(URETHANE-UREAS)**  
Mohammad Masykuri, Cynthia L. Radiman, I. Made Arcana and Sadijah Achmad



108. **POLY P2-2**     **A PRELIMINARY STUDY: THE THERMAL AND MECHANICAL CHARACTERIZATION OF BIODEGRADABLE POLY (LACTIDE ACID) (PLA) AND KENAF BAST FIBER BLENDS FOR AUTOMOTIVE APPLICATION**  
Maizatunisa Othman, Nor Azowa Ibrahim and Khalina Abdan
109. **POLY P2-3**     **LDPE – EGG SHELL POWDER COMPOSITES: THE EFFECT OF CHEMICAL TREATMENT (NaOH- ISOPHTHALIC ACID) ON THERMAL PROPERTIES**  
Siti Shuhadah and Supri A.Ghani
110. **POLY P2-4**     **MECHANICAL, THERMAL AND MORPHOLOGY PROPERTIES OF RECYCLED NEWSPAPER FILLED POLYPROPYLENE/ NATURAL RUBBER COMPOSITES: THE EFFECT OF MALEIC ANHYDRIDE-GRAFTED POLYPROPYLENE AS A COMPATIBILIZER**  
Hakimah Osman, Hanafi Ismail and Mariatti Mustapha
111. **POLY P2-5**     **PREPARATION AND CHARACTERIZATION OF THERMOPLASTIC STARCH POLYCAPROLACTONE BLEND NANOCOMPOSITES**  
Y. Y. Then, W. M. Z. Wan Yunus and N. A. Ibrahim
112. **POLY P2-6**     **EFFECT OF NATURAL WEATHERING ON THE WOOD FLOUR FILLED HIGH DENSITY POLYETHYLENE COMPOSITES.**  
N. S. Ahmad Zauzi, R. Mat Taib, Z. A. Mohd Ishak and H. D. Rozman
113. **POLY P2-7**     **ENHANCING THE PROPERTIES OF EPOXIDISED NATURAL RUBBER BASED POLYMER ELECTROLYTES FOR ELECTROCHEMICAL DEVICE APPLICATIONS**  
Anis Tasnim Md. Yusof , Razali Idris and Mas Rosemal Hakim Mas Haris
114. **POLY P2-8**     **EFFECT OF COCONUT SHELL POWDER ON THE PROPERTIES OF LOW DENSITY POLYETHYLENE BIOCOMPOSITES**  
H. Salmah and I. Ismail

## Schedule

### Poster Presentation

Day 3: June 20, 2008 (Friday)

#### Session 3 ( P3)

Venue: Foyer SK

115. **ANALY P3-1 MULTIVARIATE OPTIMIZATION OF PALM OIL BASED SURFACTANTS BIOSYNTHESIS USING STATISTICAL ALGORITHM**  
K. Anuar, B. Mahiran, K. A. Dzulkefly, R. F. M. Hamid and M. S. Atan
116. **ANALY P3-2 DETERMINATION OF CYPERMETHRIN AND CYHALOTHRIN IN CRUDE PALM OIL AND CRUDE PALM KERNEL OIL**  
Badrul Hisyam Zainudin, Halimah Muhamad and Nor Kartini Abu Bakar
117. **ANALY P3-3 SORBENT MATERIALS CONTAINING IMMOBILIZED CROWN ETHERS FOR THE EXTRACTION OF BIOGENIC AMINES**  
Mardiana Saaid, Bahruddin Saad, Ismail Ab. Rahman, Abdussalam Salhin Mohamed Ali and Muhammad Idiris Saleh
118. **ANALY P3-4 OPTIMIZATION OF DIGESTION METHOD FOR DETERMINATION OF HEAVY METALS IN SHRIMP PASTE SAMPLES USING ATOMIC ABSORPTION SPECTROMETRY**  
C. W. Zanariah and M. Adib
119. **ANALY P3-5 SPECTROPHOTOMETRIC DETERMINATION OF ALLOPURINOL IN PHARMACEUTICAL PREPARATIONS**  
Wejdan Shakir Khayoon, Prof. Mouayed Qassim Al-Abaichy and Dr. Mohammed Affan AL-Hamadany
120. **ANALY P3-6 EFFECT OF UNSATURATION ON STABILITY OF C<sub>18</sub> POLYUNSATURATED FATTY ACIDS' VESICLE**  
Y. Y. Teo and M. Misran
121. **ENV P3-1 PHOTOCATALYTIC REDUCTION OF SILVER (I) IONS BY TiO<sub>2</sub>**  
Endang Tri Wahyuni, Nurul Hidayat Aprilita and Mudasir
122. **ENV P3-2 REMOVAL OF NICKEL (II) FROM AQUEOUS SOLUTION BY USING TREATED SUGARCANE BAGASSE AND RICE STRAW AT VARIOUS pH**  
Nor Harlina Haji Hassan, S. A. Saad and Khairul Nizar Ismail
123. **ENV P3-3 KINETIC AND EQUILIBRIUM ISOTHERM STUDIES OF HUMIC ACID ADSORPTION ON CHITOSAN BEADS**  
W. S. Wan Ngah, S. S. Yong and M. A. K. M. Hanafiah
124. **ENV P3-4 LINEAR PREDICTION MODEL FOR OCTANOL-WATER PARTITION COEFFICIENT OF ORGANOPHOSPHORUS PESTICIDES BASED ON QUANTUM CHEMICAL PARAMETERS**  
Mudasir, Hendri Cahyadi and Rudy Syahputra
125. **ENV P3-5 MUTUAL SOLUBILITY MODEL ASSOCIATED WITH GIBBS FUNCTION USED FOR THE PREDICTION OF SUPERCRITICAL CARBON DIOXIDE EXTRACTION OF PHENOL FROM WASTEWATER**  
R. Davarnejad, K. M. Kassim, A. Zainal and Suhairi A. Sata

126. **ENV P3-6** **BIOREMOVAL OF LEAD ON BATTERY MANUFACTURING INDUSTRIAL EFFLUENT USING WASTE BEER BY PRODUCT**  
Darlina Darwis, Usman Sumo Friend Tambunan and Fitri Amelia
127. **ENV P3-7** **STUDY AND CHARACTERIZATION OF PHYSICAL AND CHEMICAL PROPERTIES OF STORED RAINING WATER**  
Nuri Mohamed Alderwish
128. **IND P3-1** **PYROLYSIS OF OIL PALM EMPTY FRUIT BUNCHES**  
Mohamad Azri Sukiran, Chow Mee Chin and Nor Kartini Abu Bakar
129. **IND P3-2** **PRELIMINARY STUDIES FOR PRODUCTION OF FATTY ACIDS FROM HYDROLYSIS OF COOKING PALM OIL USING *C. RUGOSA* LIPASE**  
N. Aziah Serri, A. H. Kamarudin and S. N. Abdul Rahaman
130. **INORG P3-1** **SYNTHESIS AND CHARACTERIZATION OF SYMMETRICAL BIS(2, 2'-(4-(ALKYLOXY)PHENYL)-2-(4-SUBSTITUTEDPHENYL)DIAZENE)1,1'-BINAPHTHAL**  
Guan-Yeow Yeap, Chin-Hin Ong and Wan Ahmad Kamil Mahmood
131. **INORG P3-2** **CHARACTERIZATION OF BENZOYLHYDRAZONE DERIVATIVES AND METAL COMPLEXES AND THEIR BIOLOGICAL ACTIVITIES**  
Yusnita Juahir, Hapipah Mohd. Ali, Puvaneswary Subramaniam and Mahmood Ameen Abdulla
132. **INORG P3-3** **NOVEL HALOGENATED NON-SYMMETRIC TRIMESOGENS EXHIBITING GLASSY NEMATIC STATE**  
Guan-Yeow Yeap, Tiang-Chuan Hng, Wan Ahmad Kamil Mahmood, Ewa Gorecka, Daisuke Takeuchi and Kohtaro Osakada
133. **INORG P3-4** **FABRICATION OF PHOTOANODES BASED NANOCRYSTALLINE TiO<sub>2</sub> THROUGH *IN SITU* COMPLEXES SENSITIZER FORMATION**  
Sayekti Wahyuningsih, Ari Dwi Nugraheni, Indriana Kartini and Narsito
134. **MAT P3-1** **THE INFLUENCE OF Mg DOPING ON MICRO STRUCTURE AND GRAIN SIZE OF BARIUM STRONTIUM TITANATE THIN FILMS**  
Y. Iriani, M. Hikam, B. Soegiyono, A. Jamaludin and N. Sueta
135. **MAT P3-2** **SYNTHESES AND CONTROLLED RELEASE PROFILE OF ZINC-ALUMINIUM-2,4 DICHLOROPHENOXYACETATE (2,4-D) AS LATEX STIMULANT AGENT**  
Adila Mohamad Jaafar, Mohd Zobir Hussein, Asmah Hj. Yahaya and Zulkarnain Zainal
136. **MAT P3-3** **EFFECT OF SCAN RATE ON THE PREPARATION OF CADMIUM SELENIDE THIN FILMS BY CYCLIC VOLTAMMETRIC DEPOSITION**  
Norhidayah Ahmad Wazir, Zulkarnain Zainal and Tan Wee Tee
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