GENERAL SCHEDULE

Chemistry Beyond Borders 2022: International Conference on Physical Chemistry

Saturday, 29 October 2022
(Last update: 2022/10/26 19:55)

TIME		ROOM 1 (MC 1.1+1.2)	ROOM 2 (MC 2.3)	ROOM 3 (MC 2.9)
7:30	8:00	REGISTRATION		
8:00	8:30	OPENING REMARKS		
8:30	9:00	KL-1*		
9:00	9:30	KL-2		
9:30	10:00	KL-3		
10:00	10:30	KL-4		
10:30	10:40	Break I		
10:40	11:00	IL-1	IL-2*	IL-3*
11:00	11:20	IL-4*	Contributed talks 2	Contributed talks 4
11:20	11:40	IL-5		
11:40	12:00	IL-6		
12:00	13:00	Lunch Break		
13:00	13:20	IL-7		
13:20	13:40	IL-8		
13:40	14:00	IL-9		
14:00	14:30	KL-5*		
14:30	15:00	Break II		
15:00	15:20	IL-10	Contributed talks 3	Contributed talks 5
15:20	17:05	Contributed talks 1		
17:05	17:30	CLOSING REMARKS		

KL : Keynote Lecture
IL : Invited Lecture
*** Online presenters**

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ROOM 1 (MC 1.1+1.2)

08:00 - 08:30		OPENING REMARKS
Keynote I ***Moderator: Dr.Sc. Lukman Hakim***		
08:30 - 09:00	KL-1*	Beyond Biofuels - Roles of Biomass in Decarbonizing the World Against Climate Changes – A Technology and Science Perspective *Justinus A. Satrio*
09:00 - 09:30	KL-2	Developments of Oxide-based Nanocatalysts for Biofuel Production *Karna Wijaya*
09:30 - 10:00	KL-3	Solvation energetics of biomolecules analyzed by all-atom molecular dynamics simulation and a solution theory *Nobuyuki Matubayasi*
10:00 - 10:30	KL-4	Mechanisms of C-O, H-H, and C-H Activation by Nickel Complexes *Panida Surawatanawong*
Invited Lectures: Computational Chemistry ***Moderator: Ellya Indahyanti, M.Eng***		
10:40 - 11:00	IL-1	Density-Functional Tight-Binding for Materials Simulations: Prospects and Challenges *Aulia Sukma Hutama*
11:00 - 11:20	IL-4*	Molecular Design of Pour Point Depressants via Extensive Metadynamics and Molecular Dynamics Simulation *Aditya Wibawa Sakti*
11:20 - 11:40	IL-5	Molecular Simulation of Water Molecule in Carbon Nanotubes in the Separation Effect *Winarto*
11:40 - 12:00	IL-6	On the negative transference number of sodium ion in ionic liquid based electrolyte *Lukman Hakim*

Invited Lectures, Keynote II ***Moderator: Zubaidah Ningsih, Ph.D***		
13:00 - 13:20	IL-7	Quantum Mechanical Studies of Chemical Reactions: A Review *A.K. Martoprawiro*
13:20 - 13:40	IL-8	Electrochemical Reduction of CO2 at Carbon-Based Electrodes *Ivandini T.A.*
13:40 - 14:00	IL-9	Development of Natural Material-Based Chemistry Learning Media For students' Engagement in Literacy and ESD *M. Paristiowati*
14:00 - 14:30	KL-5*	Towards high selectivity aniline synthesis catalysis at elevated temperatures *David Lennon*
Biophysical Chemistry ***Moderator: Dr.rer.nat. Rachmat Triandi***		
15:00 - 15:20	IL-10	Frequency-Dependent EGF or NGF Sinusoidal Stimulation to PC12 Cell *Zubaidah Ningsih*
Contributed Talks 1: Computational Chemistry		
15:20 - 15:35	COM/O-002	Anti-Breast Cancer Activities from the Sea Fan (*Gorgonia mariae*): Pharmacophore Screening and in silico Molecular Docking Study *Faruk Jayanto Kelutur*[1]*
15:35 - 15:50	COM/O-005	Grand Canonical Monte Carlo Simulation of Hydrogen Molecules Occupancy inside Zeolitic Ice *Muhammad Ruslan Novianto, Zubaidah Ningsih, Lukman Hakim**
15:50 - 16:05	COM/O-001*	Selectivity Study of Derivate 15-Crown-5 for Heavy Metals Extraction *Achmad Wisnu Adi Riyanto, Lalu Rudyat Telly Savalas, Saprizal Hadisaputra**

16:05 - 16:20	COM/O-003*	Deciphering the mechanism of the nickel-catalyzed catalytic transfer hydrogenation of furfural to furfuryl alcohol *Nova Pratiwi Indriyani[1], Azi Ibnu Sulistia[1], I Made Arcana[1], Muhamad Abdulkadir Martorprawiro[1], Aditya Wibawa Sakti[2], Yessi Permana*[1]*
16:20 - 16:35	COM/O-004*	Docking of Heparin 2S and 2SNS with $^{2}S_{0}$ IDS Conformation Oligomer on FGFR1-FGF2 Ligand-Receptor Terner Complex *Himmatul Barroroh* [1,2] Nilna R. Maulidia [1] Lukman Hakim [2] Anna Safitri [2] and Widodo Widodo[2]*
17.05 - 17.30		CLOSING REMARKS

Saturday, 29 October 2022

ROOM 2 (MC 2.3)

Material Chemistry and Polymer ***Moderator: Dr. Ika Oktavia Wulandari***		
10:40 - 11:00	IL-2*	Syntheses, Structures, and Charge Transport-Related Properties of Lone-Pair Containing Metal-Organic Coordination Polymers *Arief Cahyo Wibowo*
Contributed Talks 2: Material Chemistry		
11:00 - 11:15	MET/O-001	Synthesis of Functional Heteronuclear Complex of Fe(III)-Mn(II)-Tartrate *Yuniar Ponco Prananto*[1], Ade Hanindya Rafika[1], Mohammad Misbah Khunur[1], Rachmat Triandi Tjahjanto, Galuh Wahyu Karti'a[1]*
11:15 - 11:30	MET/O-002	Entonox Scavenging Reduction Through Gaseous Adsorption in Zirconium based Metal Organic Frameworks *Rama Oktavian*[1][2], Robert Musimbago[1], Mattie Tawana[1], Peyman Z. Moghadam*[1]*

11:30 - 11:45	POL/O-003	Molecularly Imprinted Polymer (MIP) Chitosan-Based in The Development of Electrochemical Sensor for Caffeine Detection *Ani Mulyasuryani *[1], Hermin Sulystiarti[1], Akhmad Sabarudin[1]*
11:45 - 12:00	NNO/O-001	Extraction of Low Rank Coal Based on Graphene (Gs) and Graphene Quantum Dots (GQDs) using Repeatable Ultrasonication Technique *Vivi Purwandari*[1][2], Isnaeni [2], Penny Oktaviani [3], Fatimah [3]*
Contributed Talks 3: Environmental Chemistry and Nanomaterials ***Moderator: Yuniar Ponco Prananto, Ph.D***		
15:05 - 15:20	ENV/O-001	The influence of *Hibiscus tiliaceus* extract in zinc oxide properties and its performance on simultaneous removal of chromium(VI) and methylene blue *Riki Subagyo[1], Ceisar Andria Putra[, Siyam Matina [2,3], Saepurahman [3] Yuly Kusumawati*[1]*
15:20 - 15:35	ENV/O-002	The Influence of Storage Solution on Swelling Degree of Agarose Crosslinked with Oxalic Acid as Diffusion Layer for DGT *Layta Dinira*[1], Barlah Rumhayati[1], Ulfa Andayani[1], Diah Mardiana[1]*
15:35 - 15:50	ENV/O-003	Flow Injection Analysis (FIA) System for Continuous Monitoring of Water Quality *Adam Wiryawan*
15:50 - 16:05	ENV/O-004	Process of Optimizing CO₂ Gas Absorption by Zeolite *Andi Nafis An Naafi*[1], Rachmat Triandi Tjahjanto[2], Yuniar Ponco Prananto[3]*
16:05 - 16:20	NNO/O-002*	Synthesis of Mesoporous Silica SBA-15 using the Ultrasonic Assisted-Sol Gel Method and Its Characterizations *RR Dirgarini Subagyono*, Siti Sarah, Veliyana Londong Allo*

16:20 - 16:35	NNO/O-003*	Synthesis and characterization of cellulose acetate/ZIF-8/graphene oxide-based mixed matrix membranes *Putu Doddy Sutrisna*[1], Verdianto Indra Wijaya Sutama Putra[1], Putu Dhiyo Dharmayoga Denaswara[1]*

Saturday, 29 October 2022

ROOM 3 (MC 2.9)

Fuel and Catalysts ***Moderator: Dr.Sc. Siti Mariyah Ulfa***		
10:40 - 11:00	IL-3*	Conversion of vegetable oil into bio-jet fuel *Wega Trisunaryanti*
Contributed Talks 4: Fuel and Catalysts		
11:00 - 11:15	CAT/O-001*	Palm Oil Epoxidation by V_2O_5/Al_2O_3 *Eunike Kartika Salduna*[1], Yessi Permana[2]*
11:15 - 11:30	CAT/O-002*	Gasoline-Range Hydrocarbon Production from Hydrocracking of LDPE Plastic Waste Utilizing Nickel-Promoted Sulfated Nanozirconia Catalyst *Amalia Kurnia Amin[1,2], Wega Trisunaryanti[2], Karna Wijaya*[2]*
11:30 - 11:45	CAT/O-003*	Hydrogenation and Hydrogenolysis of Furfural using Zr-MOFs *Melana Daniela Nguru[1], Hilda Nuraulia[1], Yessi Permana*[1]*
11:45 - 12:00	CAT/O-004*	Selective Synthesis of 1,2-Pentanediols from Furfuryl Alcohol by $CoWO_4$ *Siti Hartinah Qurbayni[1], Husni Wahyu Wijaya[2], Ubed Sonai Fahruddin Arrozi[2], Yessi Permana*[1]*

Contributed Talks 5: Fuel and Catalysts, Chemical Education, Biochemistry, Polymer ***Moderator: Anna Safitri, Ph.D***		
15:05 - 15:20	CAT/O-005*	Comparative Study of Low-Grade Crude Coconut Oil Esterification over SO_4/ZrO_2 and SO_4/TiO_2 Catalysts *Karna Wijaya*[1], Latifah Hauli[2], Yufinta Candrasasi[1], Edhita Rahmawati Fitri[1], Prisnu Fadilah Prabani[1]*
15:20 - 15:35	EDU/O-001*	ChemDuino-Calorimetry to determine the Enthalpy Change of Neutralization of an Acid−Base Reaction: Making a familiar experiment “greener” *N Krisnu Prabowo[1], M Paristiowati*[2], Irwanto[3], Afrizal[4], Yusmaniar[5]*
15:35 - 15:50	EDU/O-002*	Integration of Technology in Problem-based Learning to Improve Students' Computational Thinking: Implementation on Polymer Topics *Nurasiah*[1], M paristiowati [2], Erdawati [3] , Afrizal [4]*
15:50 - 16:05	EDU/O-003*	Integration of Digital Media Variations with Flipped Classroom Models in Chemistry Learning: An Analysis of Student Activities and Learning Outcomes *Roisyah Fitriani*[1], Nur Stifany Kholbunnisa[1], Maria Paristiowati[1], Yusmaniar[1], Hanhan Dianhar[1], and Setia Budi[1]*
16:05 - 16:20	BIO/O-001*	Utilization of Neera as a Low-Cost-Medium Alternative for Producing Bacterial Nano-Cellulose using Komagataeibacter Xylinus *Dara P. Hapsari, Claudia P. Gadizza, Setiyo Gunawan**
16:20 - 16:35	POL/O-001*	Thermal Analysis of Liquid Crystal Polymer of Mesogen Reactive 82 With Variations of Weight Percentage of Methyl Metacrylate *Afrizal[1], Yusmaniar[1], Maria Paristiowati[1], Darsef[1], Bryan Valentino[1], Umar Kalmar Nizar[2]*
16.35 - 16.50	POL/O-002*	Synthesis of Polyvinyl Alcohol-Chitosan Biodegradable Films with Nanocellulose from Coconut Fibers (Cocos Nucifera) *Yusmaniar*[1], Egie Julio*[1], Arif Rahman*[1], Afrizal*[1], Maria Paristiwati [1]*and Renny Juniar[1]**