



1st International Conference on Biomass Utilization and Sustainable Energy 2020

"Biomass Innovation for Sustainable Development"

Virtual Conference
15th – 16th December 2020

Program Schedule

Opening Ceremony http://meet.google.com/wap-tyzm-myg DAY 1: 15 December 2020	
Time	Agenda
8.00 a.m – 8.30 a.m	Location: Auditorium Chancellery, UniMAP (and google meet for online participants) Moderator/MC: Mr. Shauqi Arrivals <ul style="list-style-type: none"> • Assoc. Prof. Dr. Muhammad Syarhabil Ahmad, Dean of Faculty of Chemical Engineering Technology (FTKK). • Assoc. Prof. Dr. Ku Syahidah Ku Ismail, Chairman ICoBiomassSE 2020. • Prof. Ir Dr. R Badlishah Ahmad, UniMAP's Vice Chancellor. • ICoBiomassSE Committee members • Online participants
8.30 – 9.30 a.m	<ul style="list-style-type: none"> • National Anthem Negaraku and UniMAP Song • Recitation of Dua • Welcoming speech by Assoc. Prof. Dr. Ku Syahidah Ku Ismail, Chairman of ICoBiomassSE 2020 • Speech by Prof. Ir. Ts. Dr. R Badlishah Ahmad, UniMAP Vice Chancellor • Officiation ceremony of ICoBiomassSE 2020 (with gimmick) • Semangat UniMAP Song Photography Session with online participants
09.30 -10.30 a.m	Keynote Speaker 1: Prof. Ruey-An Doong (NTHU, Taiwan) Title: <i>Biomass-Derived Carbon Materials as a Multifunctional Platform for Water Purification and Energy Applications.</i>

PARALLEL SESSION

Virtual Room 1 (Session 1) Chairperson: Prof. Ir. Dr. Wan Azlina Wan Ab Karim Ghani, UPM Google Meet Meeting ID: https://meet.google.com/tgh-ockv-gef	
10.40 – 11.00 am	Presenter 1: (Online) Miss Ng Kar Mun ICoBSE2020- 045: Biosorption of Copper Ions from Aqueous Solution Using <i>Kappaphycus striatum</i>
11.05 – 11.25 am	Presenter 2: (Pre-Recorded) Mr. Lim Han Koon ICoBSE2020- 046: Adsorption of carbon dioxide (CO ₂) by activated carbon derived from waste coffee grounds
11.30 – 11.50 am	Presenter 3: (Online) Dr. Anish Ghimire ICoBSE2020- 118: Effect of Substrate to Inoculum Ratios on the Kinetic Parameters during Mesophilic Anaerobic Digestion of Food Waste
11.55 – 12.15 pm	Presenter 4: (Pre-recorded) Dr. Nurul Ashraf Razali ICoBSE2020-053: Plastic char as the adsorbent for lead removal
12.20 -12.40 pm	Presenter 5: (Pre-recorded) Dr. Khadijah Hanim Abd Rahman ICoBSE2020-031: Production of Bioprotein from Oil Palm Fronds (OPF) by <i>Aspergillus terreus</i> strain UniMAP AA-1
END of Virtual Room 1 (Session 1)	

<p style="text-align: center;">Virtual Room 2 (Session 2) Chairperson: Prof. Dr. Wan Ashri Wan Daud, UM Google Meet Meeting ID: https://meet.google.com/mhh-qtsw-qnr</p>	
10.40 – 11.00 am	<p>Presenter 1: (Online) Dr. Nur Zaida Zahari ICoBSE2020- 111: Potential of Wild Fungi (<i>Amanita princeps</i> & <i>Tylopilus felleus</i>) in Mycoremediation of Selected Heavy Metals in Soil</p>
11.05 – 11.25 am	<p>Presenter 2: (Online) Miss Maisara Atassha ICoBSE2020- 044: Biosorption of Cu(II) Ions by <i>Leucaena leucocephala</i> Leave from Aqueous Solution</p>
11.30 – 11.50 am	<p>Presenter 3: (Online) Mr. Ahmad Hafiidz Bin Mohammad Fauzi ICoBSE2020- 141: Simulation of Crude Palm Oil Dilution and Clarification in a Palm Oil Mill using Computational Fluid Dynamics: Grid Dependency and Parametric Studies.</p>
11.55 – 12.15 pm	<p>Presenter 4: (Pre-recorded) Miss Najaa Nur Atiqah Binti Rozulan ICoBSE2020-086: The Carboxylation of Glycerol Over Biochar as Green Catalyst in the Presence of Dehydrating Agent</p>
12.20 -12.40 pm	<p>Presenter 5: (Pre-recorded) Mr. Alexander Hamilton S. Atienza ICoBSE2020-091: Dual grinding and mixing machine for vermicompost and worm biomass production</p>
<p style="text-align: center;">END of Virtual Room 2 (Session 2)</p>	

<p align="center">Virtual Room 3 (Session 3) Chairperson: Prof. Dr Sahibin Abd Rahim , UMS Google Meet Meeting ID: https://meet.google.com/pqd-gome-hfb</p>	
10.40 – 11.00 am	<p>Presenter 1: (Online) Mr. Choo Boon Chong ICoBSE2020- 006: Scaling-up and Techno-Economics of Ethanol Production from Cassava Starch via Separate Hydrolysis and Fermentation</p>
11.05 – 11.25 am	<p>Presenter 2: (Online) Assoc. Prof. Dr. Ahmad Irfan Hatim Mohamed Dzahir ICoBSE2020-021 : Production of Fuel Grade Anhydrous Alcohol- a Review</p>
11.30 – 11.50 am	<p>Presenter 3: (Online) Miss Nur Amalina Dawi Cahyono ICoBSE2020- 060: Anaerobic co-digestion of chicken manure with energy</p>
11.55 – 12.15 pm	<p>Presenter 4: (Pre-recorded) Miss Kristel Gatdula ICoBSE2020-011: A Comparative Study on Bioethanol Production from Rice Straw and Banana Pseudostem through Simultaneous Saccharification and Fermentation using <i>Kluyveromyces marxianus</i></p>
12.20 -12.40 pm	<p>Presenter 5: (Pre-recorded) Mr. Mustafa Wajdi Jalal Wajdi ICoBSE2020-022: Acetogenic Removal Efficiency of POME Under the Influence of Electromagnetic Field</p>
<p align="center">END of Virtual Room 3 (Session 3)</p>	

Virtual Room 4 (Session 4)

Chairperson: Prof Maria Cristina Caintic, Eastern Visayas State University , Philippines

Google Meet Meeting ID:

<https://meet.google.com/hac-iojt-qwm>

10.40 – 11.00 am	Presenter 1: (Online) Dr. Iffah Nadhira Madzuki ICoBSE2020- 018: Tomato peel-cutin based film mitigates the deterioration of harvested calamansi (<i>Citrofortunella microcarpa</i>)
11.05 – 11.25 am	Presenter 2: (Online) Dr. Che Wan Sharifah Robiah Mohamad ICoBSE2020- 052: Hydrogel synthesis of PVA/O. sativa for Antimicrobial activity using freeze thaw method
11.30 – 11.50 am	Presenter 3: (Online) Miss Nurul Atiqah Mohamad ICoBSE2020-063: Hydrodeoxygenation (HDO) of Oleochemical Waste Oil into Paraffins using Iron Molybdate (Fe-Mo-O) Catalyst
11.55 – 12.15 pm	Presenter 4: (Pre-recorded) Dr. Azian Azamimi Abdullah ICoBSE2020-004: A Review on Immobilization Strategy of Cyclodextrin Glucanotransferase Producing <i>Escherichia coli</i> as Whole Cell Biocatalyse
12.20 -12.40 pm	Presenter 5: (Pre-recorded) Miss Ng Wei Ming ICoBSE2020-014: Effect of bentonite nanoclay filler on the properties of bioplastic based on sago starch
END of Virtual Room 4 (Session 4)	

<p style="text-align: center;">Virtual Room 1 (Session 5)</p> <p style="text-align: center;">Chairperson: Dr. Prof. Dr. Mohamed Kheireddine Aroua, Sunway University Google Meet Meeting ID: https://meet.google.com/szu-okgv-seo</p>	
2.30 – 2.50 pm	<p>Presenter 1: (Online) Miss Nur Aisyah Binti Selamat</p> <p>ICoBSE2020-112:</p> <p>Enhanced carbon dioxide adsorption by potassium hydroxide modified peat soil as porous adsorbent</p>
2.55 – 3.15 pm	<p>Presenter 2: (Online) Dr. Ayu Haslija Abu Bakar</p> <p>ICoBSE2020- 116:</p> <p>Extraction Of Nanocrystalline Cellulose From Kapok Fiber As Potential Water-Resistant Composite</p>
3.20 -3.40 pm	<p>Presenter 3: (Online) Dr. Noor Hasyierah Mohd Salleh</p> <p>ICoBSE2020-013:</p> <p>Innovative Biodegradable Film from Chicken Feather Keratin</p>
3.45 -4.05 pm	<p>Presenter 4: (Pre-recorded) Miss Suganthi A/P Ravi</p> <p>ICoBSE2020-135:</p> <p>Fabrication and Characterisation of Polyvinylidene Fluoride Co- Hexafluoropropylene (PVDF-Co-HFP) Polymer Inclusion Membranes (PIMs) for Reactive Orange 16 (RO16) Dye Removal</p>
4.10 – 4.30 pm	<p>Presenter 5: (Pre-recorded) Dr. Nur Farizan Munajat</p> <p>ICoBSE2020-030:</p> <p>Torrefaction of fish waste (<i>Sardinella fimbriata</i>) in a fixed bed reactor: Yields and biochar characterization</p>
<p style="text-align: center;">END of Virtual Room 1 (Session 5)</p>	

Virtual Room 2 (Session 6) (Chairperson: Dr. Dr Muhammad Rashid Shamsuddin) Google Meet Meeting ID: https://meet.google.com/vme-twvh-pjf	
2.30 – 2.50 pm	Presenter 1: (Online) Dr. Alina Rahayu Mohamed ICoBSE2020- 089: Isothermal torrefaction of coconut fiber in a reactor
2.55 – 3.15 pm	Presenter 2: (Online) Mr. Wasu Sukswan ICoBSE2020- 093: Experimental and Numerical Studies of Combustion
3.20 -3.40 pm	Presenter 3: (Online) Professor Muhammad Nurdin ICoBSE2020-108: Pretreatment of Hydrothermal and Alkali for Delignification of Oil Palm Empty Fruit Bunches: Second Generation Bioethanol
3.45 -4.05 pm	Presenter 4: (Pre-recorded) Mr. Alexander Hamilton S. Atienza ICoBSE2020-092: Small Scale Bubbling Fluidized Bed Gasifier for Syngas Extraction from Napier grass
4.10 – 4.30 pm	Presenter 5: (Pre-recorded) Miss Raudzah Binti Mohd Zahir ICoBSE2020-125: Application of OPEFB Fibre Based Electrode in Microbial Fuel Cell System for Electricity Generation and Chlorophenol Degradation
END of Virtual Room 2 (Session 6)	

Virtual Room 3 (Session 7)

Chairperson: Dr. Dr. Khairuddin Md Isa, UniMAP

Google Meet Meeting ID: <https://meet.google.com/eaf-xjzd-yzn>

2.30 – 2.50 pm	Presenter 1: (Online) Miss Siti Erma Rusniza Abd Rashid ICoBSE2020- 068: Ethanol production from alkaline-treated rice straw via separate hydrolysis and fermentation (SHF) using <i>K. marxianus</i> UniMAP 1-1
2.55 – 3.15 pm	Presenter 2: (Online) Miss Nurul Atiqah BtShamsuddin ICoBSE2020- 119: Effect of Thermal Pre-Treatments Method on Sludge Degradation Process Prior Usage in Membrane-Less Microbial Fuel Cell for Electricity Generation
3.20 -3.40 pm	Presenter 3: (Online) Assoc. Prof. Dr. Mohamad Najmi Masri ICoBSE2020- 155: Electricity Generation by Locally Isolated Electroactive Bacteria in Microbial Fuel Cell
3.45 -4.05 pm	Presenter 4: (Pre-recorded) Miss Chan Mei Fang ICoBSE2020-005: Potential Health Risk Assessment of Heavy Metal Content In Perlis Soil
4.10 – 4.30 pm	Presenter 5: (Online) Mr Muhammad Nur Fitri Mustaza ICoBSE2020-036: Torrefaction of Mangrove Wood by Introducing Superheated Steam
END of Virtual Room 3 (Session 7)	

Virtual Room 4 (Session 8)

(Chairperson: AP. Ir. Dr. Umi Fazara Md Ali, UniMAP)
Google Meet Meeting ID: <https://meet.google.com/xdr-pccc-nvo>

2.30 – 2.50 pm	Presenter 1: (Online) Associate Professor Dr. Md Asadul Islam / Ong Hui Lin ICoBSE2020- 066: Flexural and Thermal Properties of Biocomposites from <i>Cerbera manghas</i> L and Polypropylene
2.55 – 3.15 pm	Presenter 2: (Online) Miss Dina Sofiea Binti Zakaria ICoBSE2020- 065: Amine Functionalized Carbon-based Soybean Curd Residues (SCR) as Potential Adsorbent for Carbon Dioxide
3.20 -3.40 pm	Presenter 3: (Online) Dr. Sharifah Nadhirah Syed Noh ICoBSE2020- 077: Continuous Subcritical Water Hydrolysis for Pre-treatment of Palm Oil Mill Effluent (POME)
3.45 -4.05 pm	Presenter 4: (Pre-recorded) Mrs Faridah Binti Wahab ICoBSE2020-049: Study on the Opportunity of Carbon Footprint Reduction through Energy Measurement by Implementing Good Operating Practices in PVC Flooring Mat Manufacturing Industry
4.10 – 4.30 pm	Presenter 5: (Pre-recorded) Mr. Alexander Hamilton S. Atienza ICoBSE2020-090: Solar Dryer with Reheating System for Annatto Fruit Pericarp
END of Virtual Room 4 (Session 8)	



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ICoBiomassSE 2020
Day 2, 16 December 2020

Keynote Speaker 2	
Google Meet Meeting ID: http://meet.google.com/sim-pvuj-gph	
Time	Activity
9.00 a.m	Online Registration
9.30 – 10.30 a.m	Keynote Speaker 2: Prof. Ir. Dr Suzana Yusup (UTP, Malaysia) Title: Biomass Innovation for Sustainable Development PIC: Assoc. Prof. Dr. Ku Syahidah Ku Ismail

PARALLEL SESSION

Virtual Room 1 (Session 1) Chairperson: Prof Dr Jamaliah Md Jahim, UKM Google Meet Meeting ID: https://meet.google.com/hid-hfob-cnq	
10.40 – 11.00 am	Presenter 1: (Online) Mr. Mohammad Zulhilmi Bin Ishak ICoBSE2020-069: Optimization of Upstream Processing for the Production of Bioethanol from <i>Leucaena leucocephala</i> seeds using <i>Kluyveromyces marxianus</i> UniMAP 1-1
11.05 – 11.25 am	Presenter 2: (Online) Mr. Muhammad Najib Ikmal Bin Mohd Sabri ICoBSE2020-079: Assessment of Power Generation from Dewatered Sludge Using Membrane-Less Microbial Fuel Cell
11.30 – 11.50 am	Presenter 3: (Online) Mr. Wasu Sukswan ICoBSE2020-094: Effect of Equivalent Ratio on Thermal energy and Exhaust Gas Properties from Gasification of Oil Palm Empty Fruit Bunch using Household Gasifier
11.55 – 12.15 pm	Presenter 4: (Pre-recorded) Miss Viga Rajiman ICoBSE2020-070: Potential Of 2-Amino-2-Methyl-1-Propanol Solution as Absorbent for CO ₂ Absorption From Biogas
12.20 -12.40 pm	Presenter 5: (Pre-recorded) Mr. Devandran Apparasamy ICoBSE2020-082: Carbon Footprint Analysis for Sunway University Campus
END of Virtual Room 1 (Session 1)	

Virtual Room 2 (Session 2) Chairperson: Prof Liza Patacsil Malayan Colleges Laguna, Philippines Google Meet Meeting ID: https://meet.google.com/ceh-gvhf-pnm	
10.40 – 11.00 am	Presenter 1: (Online) Miss Shahidah Md Nor ICoBSE2020-059: Volatile organic compound modification by lactic acid bacteria in fermented chilli mash
11.05 – 11.25 am	Presenter 2: (Online) Mrs Siti Kamariah Md Sa'at ICoBSE2020-064: Effect of Gravel-Sand Substrate on Sub-Surface Flow Constructed Wetland for Palm Oil Mill Effluent Treatment
11.30 – 11.50 am	Presenter 3: (Online) Dr. Fathiah Mohamed Zuki ICoBSE2020- 136: Recycled and Reused UF Membrane Performance Study in producing Drinking Water Standard from Treated Rainwater Harvesting System
11.55 – 12.15 pm	Presenter 4: (Pre-recorded) Miss Mawaddah Saleh ICoBSE2020-039: Removal of Iron and Manganese from Palm Oil Mill Effluent (POME) using Activated Clinoptilolite Zeolite
12.20 -12.40 pm	Presenter 5: (Pre-recorded) Dr. Khadijah Hanim Abd Rahman ICoBSE2020-142: Growth and ethanol fermentation ability of thermotolerant <i>Pichia kudriavzevii</i> UniMAP 3-1 on xylose and glucose at different temperatures
END of Virtual Room 2 (Session 2)	

Virtual Room 3 (Session 3)

Chairperson: Prof Azmi Aris, UTM

Google Meet Meeting ID: <https://meet.google.com/ysc-wdsv-qfo>

10.40 – 11.00 am	Presenter 1: (Online) Dr. Mohamad Najmi Masri ICoBSE2020- 145: Morphological Properties of Cassava Film Influence by Plasticizers in Zinc-air Fuel Cell
11.05 – 11.25 am	Presenter 2: (Pre-recorded) Dr. Renato Arazo ICoBSE2020- 123: Superior Sewage Sludge Disposal with Minimal Greenhouse Gas Emission via Fast Pyrolysis in A Fluidized Bed Reactor
11.30 – 11.50 am	Presenter 3: (Online) Dr. Ibrahim Yakub ICoBSE2020-121: Assessment of copper-iron catalyst supported over activated carbon for low-temperature nitric oxide reduction with hydrogen
11.55 – 12.15 pm	Presenter 4: (Online) Miss Fatin Nabilah Ishak ICoBSE2020-095: Preliminary Analysis of Endophytic Plant Growth Promoting (PGP) <i>Methylobacterium sp.</i> Isolated from Palm Oil Leaves
12.20 -12.40 pm	Presenter 5: (Online) Mr. Ahmad Faizal Ahmad Zamli ICoBSE2020-147: The Research on Food Waste Pre-Treatment Technology for Incineration in Malaysia
END of Virtual Room 3 (Session 3)	

<p align="center">Virtual Room 4 (Session 4) Chairperson: Dr Nurul Aini Amran, UTP Google Meet Meeting ID: https://meet.google.com/vyt-knip-cup</p>	
10.40 – 11.00 am	<p>Presenter 1: (Online) Mr Ahmad Faizal dan Ahmad Zamli ICoBSE2020-120: Investigation of leaching on the elemental composition of alternative fuels</p>
11.05 – 11.25 am	<p>Presenter 4: (Pre-recorded) Dr. Shamilah Binti Anudai @ Anuar ICoBSE2020-126: Lake Water Effect on The Performance of Concrete</p>
11.30 – 11.50 am	<p>Presenter 3: (Online) Professor Kedar Rijal ICoBSE2020-099 : Consumption and Carbon Emission Reduction Strategies to Biomass Energy Use in Nepal</p>
11.55 – 12.15 pm	<p>Presenter 4: (Pre-recorded) Mr. Mohd Hakimi Bin Rosli ICoBSE2020-072: Anaerobic digestion of chicken manure and selected additives for biogas production</p>
12.20 -12.40 pm	<p>Presenter 5: (Online) Assoc. Prof. Dr. Mohamad Najmi Masri ICoBSE2020-156: Characterization of Particleboard from <i>Neolamarckia Cadamba</i> and <i>Endospermum Diadenum</i> by Fourier Transform Infrared Spectroscopy</p>
<p align="center">END of Virtual Room 4 (Session 4)</p>	

Virtual Room 1 (Session 5)

Chairperson: Dr. Prof Al Rey Villagrancia, De La Salle University, Philippines

Google Meet Meeting ID:

<https://meet.google.com/ghc-waee-soj>

2.30 – 2.50 pm	Presenter 1: (Online) Professor Al Rey Villagrancia ICoBSE2020- 073: Spin Polarized Density Functional Theory on Iron-decorated Planar Aluminene Systems for Hydrogen Storage
2.55 – 3.15 pm	Presenter 2: (Online) Mr. Lew Guo Liang ICoBSE2020-103 : Exsolution Enhancement of Metal-support CO Oxidation Perovskite Catalyst with Parameter Modification.
3.20 -3.40 pm	Presenter 3: (Online) Mrs Raja Hasnida Bt Raja Hashim ICoBSE2020-026: Effects of incorporation of essential oil into biodegradable film for fruit packaging application
3.45 -4.05 pm	Presenter 4: (Pre-recorded) Associate Professor Mohamad Najmi Masri ICoBSE2020-113: A Novel Innovation Design of Advanced Sublimation Printing Mechine
4.10 – 4.30 pm	Presenter 5: (Pre-recorded) Miss Fatin Fazira Bt Abd Karim ICoBSE2020-084: Initial Study on the Growth of <i>Haematococcus Pluvialis</i> for Astaxanthin Production
END of Virtual Room 1 (Session 5)	

<p style="text-align: center;">Virtual Room 2 (Session 6) Chairperson: AP Dr Mohd Irfan Hatim Mohamed Dzahir, UniMAP Google Meet Meeting ID: https://meet.google.com/eha-nuko-rxd</p>	
2.30 – 2.50 pm	<p>Presenter 1: (Online) Dr. Azalina Mohamed Nasir ICoBSE2020- 017: β-Glucan Extraction from Mycelium in The Spent Mushroom Substrate of <i>Pleurotus ostreatus</i> and <i>Schizophyllum commune</i></p>
2.55 – 3.15 pm	<p>Presenter 2: (Online) Assoc Prof Dr. Zarina Zakaria ICoBSE2020- 107: The Effect of Spent Mushroom Substrate Based Fish Feed to The Growth of Catfish (<i>Clarias gariepinus</i>)</p>
3.20 -3.40 pm	<p>Presenter 3: (Online) Miss Nuraniza Binti Aziz ICoBSE2020-081: Ammonium adsorption - desorption using rice husk biochar</p>
3.45 -4.05 pm	<p>Presenter 4: (Pre-recorded) Mr. Muhammad Imran Shaukat ICoBSE2020-024: Chemically modified Palm Kernel shell biochar for the removal of heavy metals from aqueous Solution</p>
4.10 – 4.30 pm	<p>Presenter 5: (Pre-recorded) Miss Mawaddah Saleh ICoBSE2020-037: Removal of Copper and Magnesium Cations from Aqueous Solutions by <i>Clinoptilolite</i> Zeolite Adsorption</p>
<p style="text-align: center;">END of Virtual Room 2 (Session 6)</p>	

Virtual Room 3 (Session 7)

Chairperson: AP Dr Zarina Zakaria, UniMAP

Google Meet Meeting ID: <https://meet.google.com/vzu-ewjw-xsy>

2.30 – 2.50 pm	Presenter 1: (Online) Mr. Sark Jin Fei ICoBSE2020- 035: Pressure retarded osmosis – a multi-functional osmotic energy membrane-based harvest technology
2.55 – 3.15 pm	Presenter 2: (Online) Miss Norhusna Mohamad Nor ICoBSE2020-041: Physicochemical Characteristics of Activated Carbon Impregnated with Metal Oxide Nanoparticles towards Hydrogen Sulfide Removal
3.20 -3.40 pm	Presenter 3: (Online) Assoc Prof Dr. Rangunathan Santiago ICoBSE2020-050: Characterization and Properties of Kenaf Core Mixed with Linear Low-Density Polyethylene and Virgin Synthetic Rubber
3.45 -4.05 pm	Presenter 4: (Pre-recorded) Mr. Abdul Rahman Abdul Rahim ICoBSE2020-117: Synthesis and characterization of secondary amine-functionalized silica for CO ₂ capture
4.10 – 4.30 pm	Presenter 5: (Pre-recorded) Miss Alia Najwa Binti Ahmad Shakri ICoBSE2020-032: Chemical Compositions and Physical Properties of Malaysian Rice: A Review
END of Virtual Room 3 (Session 7)	

Virtual Room 4 (Session 8)

Chairperson: AP. Dr. Midhat Nabil Ahmad Salimi, UniMAP

Google Meet Meeting ID:

<https://meet.google.com/ynk-tzfg-cdx>

2.30 – 2.50 pm

Presenter 1: (Online) Miss Nurul Amira Ahmad Daud

ICoBSE2020-106:

Characterization and Performance Evaluation of Fly Ash-based Geopolymer Membrane for Methylene Blue Dye Removal

2.55 – 3.15 pm

Presenter 2: (Online) Miss Zulaika Binti Mohd Khasiran

ICoBSE2020-110:

Prediction of Ionic Liquids Performance for Hydrogen Sulfide Absorption from Natural Gas using COSMO-RS

3.20 -3.40 pm

Presenter 3: (Pre-recorded) Miss Wan Nur Athirah Binti Mazli

ICoBSE2020-129:

Eutectic freeze crystallization: application, process design and future potential

END of Virtual Room 4 (Session 8)

CLOSSING