

Joint Seminar on Chemistry with Malaysian Cooperation Universities and Kyutech 2022

- For the international activity after the Covid-19 pandemic-

PROGRAM

updated 2022.1.27

DAY 1: January 26 (WED) 10:30AM- (JST: Japan) (=9:30 AM, Malaysia: MYT) (MYT = JST – 1h)

<ZOOM 1>

Opening & Session I : Chair: Y. Shimizu (Kyutech)

10:25-10:30 (JST): Opening remarks: (5 min) : Head, Department of Applied Chemistry, Prof. Youichi Shimizu (Kyutech)

Session I. Introduction about each faculty

10:30-11:15 (JST) 15 min each

1V01: Faculty of Science, Univesity Technology Malaysia (UTM)

Dean, Prof Chm. Dr Zaiton Abdul Majid, and Associate Prof. Shafinaz Shahir

1V02: Faculty of Engineering, Kyushu Institute of Technology (Kyutech)

Dean, Prof. Dr. Teruhisa Ohno

1V03: Department of Chemistry, Faculty of Science, Universiti Putra Malaysia (UPM)

Head, Department of Chemistry, Associate Prof. Intan Safinar Binti Ismail

11:15-11:30 (JST)

Break for preparation

11:30-12:45 (JST) 25 incl. Q&A:5 min

Session II: Research Introduction and On-Going Projects.: Chair Y. Ando (Kyutech)

1A01: Research activities of Faculty of Science, UTM

Norahim Bin Ibrahim, UTM

1A02: Research activities at Institute of Nanoscience and Nanotechnology UPM and Green Nanomaterials for Health and

Environmental Applications

Che Azurahaman Che Abdullah, UPM

1A03: International Collaborations in Maeda Laboratory, Kyutech

Toshinari Maeda, Kyutech

12:45-14:00 (JST) Lunch break with ice-breaking time

Session III: JASSO Program and Young Researcher's Oral Presentation:

<ZOOM 1> 20 min incl. Q&A: 5 min

14:00-15:20 (JST): Chair, Y. Ando (Kyutech)

1J01: In Perspective of G2E2 MEXT Scholar

○ Suraya Shaban, Kyutech

1J02: Mext Recommendation by University

○ Sarah Sabidi, Kyutech

1J03: JASSO and MEXT for high research output

○ Alvin Lim Teik Zheng, Kyutech

1J04: Meaningful Experiences and Achievements I Gained Through Studying Abroad at UPM

○ Tomonori Kai, Kyutech

15:20-15:40 (JST) Break

15:40-16:40 (JST) : Chair, T. Maeda (Kyutech)

1J05: Preparation and Optimization of Waste-Derived Polymer Composites Filled with Fibrillated Olive Pomace and Marble Powder

○ Tessei Kawano, Yoshito Ando, Kyutech

1J06: Development of Surface Functionalized Rubber-Seed Shell Activated Carbon Impregnated with Ionic Liquid.

○ Syeda Saba Fatima, Azry Borhan, Muhammad Ayoub, UTP

1J07: Characterization and Potential Oil and Gas Application of Green Synthesis Copper Oxide Nanoparticles

○ Mhd Hazli Rosli, Ashreen Norman, Mohd Kamil Mohd Jaafar, Che Azurahaman Che Abdullah, UPM

16:40-17:00 (JST) Break

17:00-18:00 (JST) : Chair, T. Maeda (Kyutech)

1J08: Synthesis and Characterization of TiO₂ Nanoparticles Using Alkaline Fusion Method for Potential Photocatalyst Application

○ Muhammad Azri Muhd Yusop, Roshasnorlyza, Che Azurahaman Che Abdullah, UPM

1J09: Incorporation of Hydroxyapatite and Montmorillonite Nanocomposite for Bone Tissue Engineering

○ Nur Akma Abdul Halim, UPM

1J10: Physical Properties Characterization of Ancient Nanostructured Biomaterials (Nacre Layer) Retrieved Using Ethylenediaminetetraacetic Acid (EDTA)

○ Nur Farahah Mohd Khairuddin, UPM

18:00- Free discussion

DAY 2 : January 27 (THUR)

<ZOOM 1>

Session IV: Research topics: chairs Y. Shimizu (Kyutech) and Y. Ando (Kyutech)

10:30-13:00(JST) 25 min incl. 5 min: Q&A

2A01: Phase Equilibria and Electrical Properties of Novel Pyrochlores in the Bismuth Copper Niobate Ternary System

O Tan Kar Ban, UPM

2A02: The Design of Dry Cellulose Nanofiber (CNF) Filler by Hy-bridization with Silica Particle for Molded

Polypropylene Composite

O Yoshito Ando

2A03: Mapping Molecular Networks Within Butterfly Pea Against LPS-induced Neuroinflammation in Microglial Cells and In

Vivo Toxicity Assessment in Zebrafish

O Siti Munirah Binti Mohd Faudzi, UPM

2A04: An overview of Green Synthesis of Metal–Organic Framework for Green Engineering

O Mohd Hafizuddin Abdul Ghani, UPM

2A05: Powder Injection Molding of Grafted Graphene Reinforced Copper Composites

O Faiz Ahmad, UTP

2A06: Solid-Electrolyte Impedance Metric Gas Sensor Attached with Hydro-Sodalite Receptor

O Youichi Shimizu, Kyutech

13:00-14:00(JST) Lunch break

14:00-16:00(JST)

Session V: Student Poster Presentations at Each Meeting Room, Chair Toshinari Maeda (Kyutech)

#	Room number @oVice	Your Time (JST)	Title	Authors	
2P01	Room 1	14:00 - 14:40	Synthetic Study of Kosinostatin CDEFG Rings	O Takumi Iwata, Kenta Tsuruta, Syuhei Takahashi, Hirokazu Shimooka, Tatsuo Okauchi, Mitsuru Kitamura	Kyutech
2P02	Room 2	14:00 - 14:40	Green Approach of Reduced Graphene Oxide and Its Toxicity Evaluation	O Emmellie Laura Albert, Dharshini Perumal, Mohd Amir Faiz, Che Azurahaman Che Abdullah	UPM
2P03	Room 3	14:00 - 14:40	Degradation of PLA Composite Plastics by A Complex Microbial System	O Hiroto Tashiro, Toshinari Maeda	Kyutech
2P04	Room 4	14:00 - 14:40	Preparation of Activated Carbon from Japanese Cypress Bark by KOH Activation and its Application to Electric Double Layer Capacitor Electrodes	O Tomohiro Kaneishi, Toshiki Tsubota	Kyutech
2P05	Room 5	14:00 - 14:40	A Composite Formed by Electrodeposition of Fe ₂ O ₃ Nanoparticles on Copper-Based Metal-Organic Frameworks for Electrochemical Nitrite Sensing	O Rathnasekara Kuruppu Arachchige Amali	UPM
2P06	Room 6	14:00 - 14:40	Dynamics of A Periodontal Pathogen Porphyromonas Gingivalis Against Oxidative Stress	O Yuma Morioka, Toshinari Maeda	Kyutech

2P07	Room 7	14:00 - 14:40	Carbon Dioxide Reduction Reaction Properties of Bi-Sn Based Oxide	○ Naoki Ishibashi, Satoko Takase, Youichi Shimizu	Kyutech
2P08	Room 8	14:00 - 14:40	Algal Bloom Control Mechanism using Fungal Bioflocculation	○ Nur Fakhira Mohd Astri, Mohd Farizal Ahmad Kamaroddin	UTM
2P09	Room 9	14:00 - 14:40	Synthesis of Five-Membered Cyclic Carbonates and Their Cationic Ring-Opening Polymerization Behavior	○ Msaato Kawamoto, Koji Araki, Akihiko Tsuge	Kyutech
2P10	Room 10	14:00 - 14:40	Esterification of Microcrystalline Cellulose with Long Fatty Acid Chain via Mechanochemical Method	○ Jaqueline Lease, Yoshito Ando	Kyutech
2P11	Room 1	14:40 - 15:20	Survey of The Waste Availability Discharged From The Process Of Paper Recycled	○ Yuto Kawata, Yoshito Ando	Kyutech
2P12	Room 2	14:40 - 15:20	Critical Cracking Thickness of Drying Silica Slurry: Effect of Polymer Additives	○ Yudai AKIYOSHI, Masato Yamamura	Kyutech
2P13	Room 3	14:40 - 15:20	Synthesis and characterization of Fe ₂ O ₃ from waste mill scales via HEMB for EMI applications	○ Bello Murtala Alhaji	UPM
2P14	Room 4	14:40 - 15:20	Effect of Electrical Cultivation on Improved Sludge Reduction	○ Eiji Tanaka, Toshinari Maeda	Kyutech
2P15	Room 5	14:40 - 15:20	Oxygen Reduction Properties of Metal-Phthalocyanine Based Mixed Catalysts In Acidic Media	○ Kuga Takaaki, Satoko Takase and Youichi Shimizu	Kyutech
2P16	Room 6	14:40 - 15:20	W/O/W Double Nanoemulsion Loaded with Pomegranate Fruit Extract as Natural Antioxidant And Hyaluronic Acid for Topical Delivery.	○ Melanie Tan Hui Ling, Roswanira Abdul Wahab	UTM
2P17	Room 7	14:40 - 15:20	Investigation Of Anaerobic Digestion Mechanism Shift Under Light Irradiation	○ Kohei Yamaguchi, Toshinari Maeda	Kyutech
2P18	Room 8	14:40 - 15:20	Tungsten Based Transition Metal Carbide As Bifunctional Oxygen Electrocatalys	○ Wada Masashi, Satoko Takase, Youichi Shimizu	Kyutech
2P19	Room 9	14:40 - 15:20	Safe Harvesting of Microalgae Using Fungal Mycelium For Food Industry	○ Aimi Alina Hussin, Mohamad Faiz Mohd Amin, Mohd Farizal Ahmad Kamaroddin	UTM
2P20	Room 10	14:40 - 15:20	Synthesis, Characterization And Toxicity Studies Of Gold Nanoparticles For Colon Cancer Treatment	○ Siti Nadiyah Zulkifli, Manali, Iskandar Zulkamain, Che Azurahaman Che Abdullah	UPM
2P21	Room 1	15:20 - 16:00	Green Synthesis Of Luminescent Nanoparticles And Its Potential Applications	○ Ashreen Norman, Mohd Kamil Mohd Jaafar, Che Azurahaman Che Abdullah	UPM
2P22	Room 2	15:20 - 16:00	Verification of The Effect Of Indole on Salt Stress In Escherichia Coli	○ Daichi Amemiya, Toshinari Maeda	Kyutech
2P23	Room 3	15:20 - 16:00	Nanosheet Liquid Crystal/Polymer Composite Materials for Thermal Energy Storage	○ Chihiro Ishikawa, Emiko Mouri, Teruyuki Nakato	Kyutech
2P24	Room 4	15:20 - 16:00	A Composite Formed by Electrodeposition of Fe ₂ O ₃ Nanoparticles on Copper-Based Metal-Organic Frameworks for Electrochemical Nitrite Sensing	○ Rathanasekara kuruppu arachhige Amali and Lim Hong Ngee	UPM
2P25	Room 5	15:20 - 16:00	Study of Value Addition by Microbial Quality Improvement of Oligo-Lactic Acid	○ Hiroki Hidaka, Kohei Mizuno, Anghelescu-Hakala Adina, Toshinari Maeda	Kyutech

2P26	Room 6	15:20 - 16:00	Wet-Chemical Synthesis and Partial Substitution Effect Of $\text{Li}_4\text{Zn}(\text{PO}_4)_2$ -Based Lithium-Ion Conducting Solid Electrolyte	○ Yoshihiro Sakuno, Satoko Takase and Youichi Shimizu	Kyutech
2P27	Room 7	15:20 - 16:00	Formulation & Characterization of W/O/W Double Nanoemulsion Containing Alpha-Mangostin Extract	○ Heng Aie Yin, Roswanira Abdul Wahab	UTM
2P28	Room 8	15:20 - 16:00	Adhesion of Agarose Gels Based on Formation Of Supramolecular Gel Induced by Chemical Reaction At Their Interfaces	○ Masaki Nakano, Koji Araki, Akihiko Tsuge	Kyutech
2P29	Room 9	15:20 - 16:00	Approach For Fabrication of New Thermoplastic Based on Cellulose Backbone	○ Ruozhu Wang, Yoshito Ando	Kyutech
2P30	Room 10	15:20 - 16:00	Synthesis of Molecularly Hollow Porous Molecularly Imprinted Polymer (MHPMIP) Nanosphere for Molecular Recognition and Interaction with 5-Fluorouracil Anticancer Drug	○ Nur Shahz Ereena Zulkifli, Aerni Syazwani Abdul Keyon	UTM
2P31	Room 11	14:00 - 14:40	Effect of chemical treatment on physical and mechanical properties of natural fiber reinforced epoxy composites	○ Khurshid Malik, Faiz Ahmad, Teru Nakato, Emiko Mouri, Nik Danial Mahmud	UTP, Kyutech
2P32	Room 11	14:40 - 15:20	Preparation of activated carbon derived from palm kernel shell and its treatment for simulated heavy metal-contaminated watere	○ Rabia Baby, Mohd Zobir Hussein	UPM, Sukkur IBA Univ.
2P33	Room 11	15:20 - 16:00	Extra poster room for time change	Anyone, please tell the office	

16:00-17:00(JST) Round-table discussion

17:00(JST)- Certificate of completion and closing ceremony

Ice breaking and discussion (17:00 to 18:00)