

Chemistry Session

Abstract No.	Time	Presented by	Affiliation	Title	Authors	page No.
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Plenary Lecture: September 26 at University Library Hall

CO-P1	13:30-14:05	Balaji R. Jagirdar	Indian Institute of Science	Tandem heterogeneous catalysis for reversible hydrogen storage in liquid organic hydrogen carriers	Balaji R. Jagirdar and Jyothi Jangir	
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Oral Presentation: September 27 at Science Building, Large Meeting Room

09:00	Yoshihiro Matano	Niigata University	Opening remarks			
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Keynote Lecutre

Chair person: Yoshihiro Matano (Niigata University)

CO-K1	9:03-9:38	Jyh-Tsung Lee	National Sun Yat sen University	Applications of Polymer Brushes in Secondary Battery Electrodes	Jyh-Tsung Lee, Yu-Lung Chang and Miao-Ken Hung	
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(Break 09:38-09:43)

Student Talk

Chair person: Hajime Iwamoto (Niigata University)

CO-S1	9:43-9:57	Bei-Chun Liao	National Sun Yat sen University	New Anthraquinone-based Covalent Organic Polymers for High-Performance Batteries	Bei-Chun Liao, Ming-Jung Wu, Jyh-Tsung Lee	
CO-S2	9:58-10:12	Ou, Jia-Qi	Chung Yuan Christian University	Denitrogenative cyclization of benzothiazines to five-membered sultams	Ou, Jia-Qi, Chen, Hung-Yun, and Gary Jing Chuang	
CO-S3	10:13-10:27	Sharon Chia Yen Lim	Universiti Tunku Abdul Rahman	Green Synthesis of Cr ₂ O ₃ -MCC Microcomposite for Enhanced Photodegradation of Congo Red, Crystal Violet, and Methylene Blue Dye: A Sustainable Approach to Wastewater Treatment	Sharon Chia Yen LIM, Ming Xiu KOH, Yu Bin CHAN, Mohammad Aminuzzaman and Lai-Hock TEY	
CO-S4	10:28-10:42	Ming Xiu Koh	Universiti Tunku Abdul Rahman	Green Synthesis of Chromium Oxide Nanoparticles from Durian Husk Aqueous Extract: A Sustainable Approach for Obesity Treatment through Lipase and α -Amylase Inhibition	Ming Xiu KOH, Sharon Chia Yen LIM, Shi-Yan CHEAH, Yu Bin CHAN, Mohammad Aminuzzaman and Lai-Hock TEY	

(Break 10:42-10:52)

Chair person: Tadaaki Ikoma (Niigata University)

CO-S5	10:52-11:06	Abizard Sarno Faraz Raufa	National Changhua University of Education	The Study on Optical Properties of Surface Attached and Encapsulated Carbon-dots into Zeolitic Imidazolate Framework-8	Abizard Sarno Faraz Raufa, Chieh Sheng Chi and Chih Wei Chang	
CO-S6	11:07-11:21	Hiromu Kobayashi	Niigata University	Effect of three-body interections on the bulk viscosity of liquids	Hiromu Kobayashi, Miho Aoki, Yoshiki Ishii, Norikazu Ohtori	
CO-S7	11:22-11:36	Toki Ikeda	Niigata University	Investigating the chemical complexity at the edge of our Galaxy	Toki Ikeda, Takashi Shimomishi, Hiroyuki Kaneko	
CO-S8	11:37-11:51	Keisha Louise Vivien L. Berondo	Mindanao State University, Iligan Institute of Technology	Digital Antimicrobial Assay Analyzer	Keisha Louise Vivien L. Berondo, Cenie V. Malabanan, and Chona D. Calero	

(LUNCH 11:51-13:15)

Chair person: Satoshi Usui (Niigata University)

CO-S9	13:15-13:29	Yu-Fen Huang	Chung Yuan Christian University	Paper-based Lateral Flow Biosensor with Rolling Circle Amplification for the Detection of Cancer Biomarker	Yu-Fen Huang, Yu-Ju Teng and Cheng-Yu Lee	
CO-S10	13:30-13:44	Shang-Ren Yu	Chung Yuan Christian University	Ultrasensitive Detection of Pathogenic Genes Using Metal-Organic Frameworks Combined with Isothermal Nucleic Acid Amplification	Shang-Ren Yu, Yu-Ju Teng, Shan-Rong Wu, Cheng-Yu Lee	
CO-S11	13:45-13:59	Chieh-Lin Chiang	Feng Chia University	Electrocatalytic Properties of Pd ₆ Sn ₂ Ir ₂ Composites for Formic Acid Oxidation	Chieh-Lin Chiang	

(Break 13:59-14:09)

Chair person: Yashuhiro Umebayashi (Niigata University)

CO-S12	14:09-14:23	Ying Ting Wang	National Sun Yat sen University	Controllable Sizes of Spherical Graphene by Varying Diameter of Precursor Droplets	Ying-Ting Wang and Chun-Hu Chen	
CO-S13	14:24-14:38	Pei-Chin Lee	National Sun Yat sen University	Preparation of Bilayer Hydroxide Film Electrocatalyst for Oxygen Evolution Reaction	Pei-Chin Lee and Chun-Hu Chen	
CO-S14	14:39-14:53	Guan-Hong Guo	National Sun Yat sen University	Strategy for Massive Production of Hydrogen via Alkaline Seawater Splitting	Guan-Hong Guo and Chun-Hu Chen	

Oral Presentation: September 28 at Science Building, Large Meeting Room

Invited Talk

Chair person: Tadaaki Ikoma (Niigata University)

CO-I1	9:00-9:25	Yun-Wei Chiang	National Tsing Hua University	Structural Insight into Nitric Oxide Reductase Activity of the Diron YtfE Protein	Ruei-Fong Tsai, Hung-Ying Chen, and Yun-Wei Chiang	
CO-I2	9:26-9:51	Chih-Wei Chang	National Changhua University of Education	Comprehensive analysis of fluorescent carbon dots: synthesis, composition and impact of treatment methods on their optical and chemical properties	Chih-Wei Chang, I-Hua Tsai and Chou-Yen Chen	
CO-I3	9:52-10:17	Gary Jing Chuang	Chung Yuan Christian University	Oxidative rearrangement of Bicyclo[2.2.2]octenones	Gary Jing Chuang	

CO-14	10:18-10:43	Hsuan-Hung Liao	National Sun Yat sen University	<i>contra</i> -Thermodynamic Positional Isomerization: From Enoates to Alkenyl α -Stereogenic Esters	Hsuan-Hung Liao
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(Break 10:43-10:53)

Chair person: Shiro Matsuoka (Niigata University)					
CO-15	10:53-11:18	Lai-Hock Tey	Universiti Tunku Abdul Rahman	Green Synthesis of Zinc Oxide (ZnO) Nanoparticles (NPs) from Plant Extracts: Multifunctional Applications in POME Treatment, Food Wrap, and Dye Degradation	Lai-Hock Tey, H'ng Bei En, Ming Xiu Koh, Sharon Chia Yen Lim, Yu Bin Chan, and Mohammad Aminuzzaman
CO-16	11:19-11:44	Chun-Hu Chen	National Sun Yat sen University	Direct Seawater Electrolysis Achieved by Acidic Redox-assisted Deposition	Chun-Hu Chen
CO-17	11:45-12:10	Jihae Han	Niigata University	Raman Spectroscopic Speciation and Dielectric Relaxation Study of Li[N(SO ₂ CF ₃) ₂] and 1,3-Propanesultone Glass-forming Liquid Electrolyte	Jihae Han, Erika Otani, Hikari Watanabe, Yasuhiro Umebayashi
12:10	Yasuhiro Umebayashi	Niigata University	Closing remarks		

Poster Presentation: September 26 at University Library Lounge

CP-1	15:30-16:30	Ellen D. Inutan	Mindanao State University, Iligan Institute of Technology	Exploring the Potential of Crude Extract (<i>Muntingia calabura</i> Linn (aralies), its Target Compounds and Shikimic Acids as Acetylcholinesterase Inhibitors: A Therapeutic Approach Study via Spectroscopic Techniques	Olivert M. Sitoy, Dianne P. Balistoy, Enjelyn C. Gomez, Marvin Jose F. Fernandez, and Ellen D. Inutan
CP-2	16:30-17:30	Chieh-Sheng Chi	National Changhua University of Education	Polyethylenimine-modified carbon dots: Optical properties and abilities to prevent physical adsorption on Zeolitic Imidazolate Frameworks	Chieh-Sheng Chi, Abizard Sarno Faraz Raufa and Chih-Wei Chang
CP-3	15:30-16:30	Lina Sagara-Lacandalo	Mindanao State University, Iligan Institute of Technology	Potential tyrosinase inhibitors from the polar extract of <i>Gigantochloa levis</i> (Blanco) Merr. shoots	Lina Sagara-Lacandalo, Chona D. Gelani, Emi Ohta, and Shinji Ohta
CP-4	16:30-17:30	Cheng-Yu Lee	Chung Yuan Christian University	Disposable Electrochemical Biosensor Using Functionalized Silica Aerogel as Nano-carrier for Highly Sensitive Detection of Hormone	Shan-Rong Wu, Yu-Ju Teng, Siang-Ren Yu, Cheng-Yu Lee
CP-5	15:30-16:30	Kyosuke Oki	Niigata University	Excited Triplet State of Acridane-Triazines Linked Molecule Emitting Thermally Activated Delayed Fluorescence	Kyosuke Oki, Mikaru Masuda, Tomoaki Miura, Sota Kasuya, Joel Hao Jorolan, Hironori Kaji, Tadaaki Ikoma.
CP-6	16:30-17:30	Mark Tristan Quimque	Mindanao State University, Iligan Institute of Technology	Multicomponent Synthesis and <i>In Silico</i> Studies of Pyrimidine-thiones as Potential Direct Renin Inhibitors for Hypertension Therapy	Mark Tristan J. Quimque, Dixie Dumaguing, and Jeanette Durante
CP-7	15:30-16:30	Hiroya Suzuki	Niigata University	Tin(IV) Complexes of 5,10,15,20-Tetraaryl-5,15-diazaporphyrinoids as a Platform for Evaluating the Antiaromaticity	Hiroya Suzuki, Yoshihiro Matano
CP-8	16:30-17:30	Aileen B. Angcayas	Mindanao State University, Iligan Institute of Technology	<i>In vitro</i> Evaluation of Antioxidant and Anti-inflammatory Activities of Some Chalcones and Aurones Analogs	Aileen B. Angcayas, Mark Tristan J. Quimque, Chona D. Gelani, Daphney C. Babia, Gerald Aldrich D. Monton
CP-9	15:30-16:30	Ota Abe	Niigata University	Specific Determination of Trace Se(IV) in Natural Water by Flow Injection Solid Phase Spectrofluorimetry	Ota Abe, Shiro Matsuoka
CP-10	16:30-17:30	Tamaki Kobayashi	Niigata University	Development of Inhibitors for the Disease-Associated Enzyme Scp1 Using Antibody Mimetic Proteins	Tamaki Kobayashi, Kazuki Yamazaki, Junki Shinada, Masataka Mizunuma, Kazuhiro Furukawa and Yoshiro Chuman
CP-11	15:30-16:30	Ryunosuke Shida	Niigata University	Dynamics of translation and rotation in liquid Polycyclic Aromatic Hydrocarbons	Ryunosuke Shida, Yoshiki Ishii, and Norikazu Ohtori
CP-12	16:30-17:30	Chiyen Peng	Feng Chia University	鈹改性Pd ₂ Co ₆ Au ₂ 金屬催化劑的甲酸氧化效能	彭志年
CP-13	15:30-16:30	Su Wei-Ming	Feng Chia University	Palladium supported on modified carbon supports for formic acid oxidation	蘇唯銘
CP-14	16:30-17:30	Mikaru Masuda	Niigata University	Triplet State of Higher Acene Studied by Electron Spin Resonance	Mikaru Masuda, Joel H. Jorolan, Hironobu Hayashi, Hiroko Yamada, Tomoaki Miura, Tadaaki Ikoma