

POSTER PRESENTATION

| Poster No. | Related Session | Paper Title | Presenter Name | Organization | Country |
|------------|--|---|---------------------|---|-------------------|
| P9-1 | Waste landfill & disposal | Selective Separation of Landfill Gas Using Hydroquinone Clathrates | Dongwon Lee | Department of Environmental Engineering, Kongju National University | Republic of Korea |
| P2-1 | Characterization of industrial & hazardous waste | Electrochemical Behavior of Tungsten Carbide-Cobalt alloy using Molten Hydroxide under Low Temperature Condition | Phengxay Deevanhxay | National university of Laos | Laos |
| P2-2 | Characterization of industrial & hazardous waste | A Study on TiO ₂ -Coated Cenospheres for Photocatalytic Performance | Jieun Jeong | Kongju National University | South Korea |
| P10-1 | Environmental safety of thermal treatment and waste to energy facilities | Effective Capture of Cesium Iodide (CsI) by Aluminosilicate Sorbents for the Treatment of Radioactive Gas from Spent Nuclear Fuel | Jae Hwan Yang | Chungnam National University | Republic of Korea |
| P12-1 | Development of thermal treatment & waste to energy | Separation of Syngas (CO and H ₂) using Polyamide Composite Membrane | Jeeban Poudel | Kongju National University | Republic of Korea |
| P12-2 | Development of thermal treatment & waste to energy | Catalytic Steam Reforming of Toluene in a DBD Plasma Reactor over SiO ₂ and ZSM-5 supported Fe-based catalysts | Yifei Sun | Beihang University | China |
| P12-3 | Development of thermal treatment & waste to energy | Influence of Temperature on Syngas Production from Pyrolysis of Anaerobically Digested Sludge | Gabin Kim | Konkuk University | Korea |
| P7-1 | Challenges for appropriate waste management | Potentiality of In-house Treatment for Khartoum State Medical Wastes | Nagwa Fadl Bashir | Zamzam University College | Sudan |
| P2-3 | Characterization of industrial & hazardous waste | Adsorption Selectivity against Zinc of Amine Modified Mesoporous Silica with Different Pore Size | Tatsuo Nishihama | Nagoya University | JAPAN |
| P9-2 | Waste landfill & disposal | Greenhouse Gas Emission from Two-stage Membrane Bioreactor Treating Municipal Solid Waste Leachate | Chart Chiemchaisri | Kasetsart University | Thailand |
| P2-4 | Characterization of industrial & hazardous waste | Preparation of Magnetic BEA-type Zeolite via Dry-Gel Conversion Method | Vanseng Chounlamany | National University of Laos | Lao PDR |
| P12-4 | Development of thermal treatment & waste to energy | Kofu-kyoto Waste to Energy plant Stable operation record of Fluidized-bed Gasification and Melting Furnace | Koki Yamashita | KOBELCO ECO-SOLUTIONS | JAPAN |
| P12-5 | Development of thermal treatment & waste to energy | Investigation on Formation of Methane Hydrate at Moderate Conditions for Energy Storage | Yuki KAMIMOTO | Nagoya University | Japan |

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|------------|--|---|-------------------|---|-------------------|
| P10-2 | Environmental safety of thermal treatment and waste to energy facilities | Effect of pH in Mercury Re-emission | Doah Kim | Department of Environmental Engineering, Chungbuk National University | Republic of Korea |
| P10-3 | Environmental safety of thermal treatment and waste to energy facilities | Flow Characteristics in an Electrostatic Precipitator with Fan Operation Time | Dong-uk Kim | Department of Environmental Engineering, Chungbuk National University | Republic of Korea |
| P10-4 | Environmental safety of thermal treatment and waste to energy facilities | Flow Characteristics in an Electrostatic Precipitator at Different Environment | Dong-uk Kim | Department of Environmental Engineering, Chungbuk National University | Republic of Korea |
| P8-1 | Recovery process on industrial & hazardous waste | Recovery of Decane using Vacuum Swing Adsorption | Jeongmin Park | Department of Environmental Engineering, Chungbuk National University | Republic of Korea |
| P8-2 | Recovery process on industrial & hazardous waste | Mercury Analysis for the Adsorption of Commercial Activated Carbon | Sinang Choi | Department of Environmental Engineering, Chungbuk National University | Republic of Korea |
| P8-3 | Recovery process on industrial & hazardous waste | Mercury Analysis for the Adsorption of Prepared Activated Carbon | Sinang Choi | Department of Environmental Engineering, Chungbuk National University | Republic of Korea |
| P3-1 | Characterization and valorisation of organic waste | Evaluation of Different Sewage Sludges as a Potential of Biodiesel Source | Febrian Rizkianto | Kyoto University | Japan |
| P13-1 | Life cycle assessment and other assessment tools | The relationship between businesses' handled amount and released/transferred amount of chemical substances according to the PRTR system | Satoshi Mizutani | Osaka City University | Japan |

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| P12-6 | Development of thermal treatment & waste to energy | Pyrolysis Characteristics of Biomass and Marine Waste Buoys Mixture by Thermogravimetric Analysis | Soyoung Han | Korea Institute Machinery & Materials | South Korea |
| P10-5 | Environmental safety of thermal treatment & waste to energy facilities | Immobilization of Toxic Metals in MSWI Fly Ash by Geopolymerization using Incinerator Bottom Ash | Yuma Kawasaki | Department of Environmental Engineering, Graduate School of Engineering, Kyoto University | Japan |
| P12-7 | Development of thermal treatment & waste to energy | Characteristics of Municipal Solid Waste as a Source of SRF(Solid Refuse Fuel) Generated From Daejeon Metropolitan City, Korea | Hongkyoung Kim | Chungnam National University | Korea |
| P12-8 | Development of thermal treatment & waste to energy | An Efficient Treatment of Mixed Plastic Wastes by SRF and Pyrolysis Process | Hae-Seung Lee | Gangwon State Univrsity | Korea |
| P6-1 | Biological treatment of MSW | Enhancement of FOG Biodegradation using Bio-augmentation of Pseudomonas putida in Co-Digestion of Grease Trap Waste and Excess MBR Sludge | Wilai Chiemchaisri | Kasetsart University | Thailand |
| P9-3 | Waste landfill & disposal | Mass Balance of Heavy Metals in One Closed Landfill site for Incinerator Residues in Japan | Yiqun Xiong | Kyoto University | Japan |
| P8-4 | Recovery process on industrial & hazardous waste | CO ₂ Utilization Using Metal Cation in Seawater-based Industrial Wastewater | Dongwoo Kang | Yonsei University | Korea |
| P12-9 | Development of thermal treatment & waste to energy | Thermal destruction of Br-based compounds by monitoring of CO and mineralized Br | Shodai TAGUCHI | Osaka Institute of Technology | Japan |
| P6-2 | Biological treatment of MSW | Lipid Removal Efficiency of Bacteria Isolated from Wastewater in Khlong Hok Area, Pathum Thani Province | Jantima Teeka | Rajamangala University of Technology Thanyaburi | Thailand |
| P9-4 | Waste landfill & disposal | Evaluation of the geotechnical characteristics of waste disposal site in Thailand by the surface wave exploration | Shuichi Nagaoka | Japan Environmental Sanitation Center | Japan |
| P6-3 | Biological treatment of MSW | Reduction in the Amount of Electricity Generated by Changes in Breeding Method of Daily Cows to Free Stalls on Biogas Production | Hitoshi Ogawa | Tamagawa University Research Institute | Japan |
| P2-5 | Characterization of industrial & hazardous waste | Mechanical and Structural Properties for Recycled Thermoplastics | Tsukasa Sato | National Institute of Technology, Tsuruoka College | Japan |

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| Poster No. | Related Session | Paper Title | Presenter Name | Organization | Country |
|------------|--|---|--|--|----------------|
| P6-4 | Biological treatment of MSW | Treatment of Grease Trap Waste using Bioaugmentation of Yeast Pure Culture | Wilai Chiemchaisri | Kasetsart University | Thailand |
| P9-5 | Waste landfill & disposal | A Study on the Environmental Assessment of the Closure and Postclosure Landfill in Korea | Sangkeun Kim, Jaehyung Chung, Jun Yu, Seongpil Hwang | Korea Institute of Construction Technology | korea |
| P8-5 | Recovery process on industrial & hazardous waste | Separation of Cl from vaporized KCl during its condensation | Kohei Saito | Osaka Institute of Technology | Japan |
| P12-10 | Development of thermal treatment & waste to energy | The catalyst properties for the high temperature water gas shift reaction depending on the concentration of precursor | Dae-Woon Jeong | Changwon National University | South Korea |
| P8-6 | Recovery process on industrial & hazardous waste | A new method for the recovery of high purity copper from plating wastes | Han S. Kim | Konkuk University | South Korea |
| P2-6 | Characterization of industrial & hazardous waste | Identification of residual sludge due to high concentrations of Fe & Mn contained in bank filtrate | Daeyoung Kwon, Junho Kim | Inje University | Korea |
| P13-2 | Life cycle assessment and other assessment tools | A study of HBCD levels and flow of products and waste materials in Korea | Yeji Jang | Chungnam National University | South of Korea |
| P13-3 | Life cycle assessment and other assessment tools | Recycling and greenhouse gas reduction of used glass bottles by EPR in Korea | Yuree Kwon | Chungnam National University | Korea |