

Sun, September 24	
Main Hall	
13:30-15:30	Public lecture for citizens
16:00-19:00	Reception / Registration

Mon, September 25	
Main Hall	
9:30-9:50	Opening Ceremony
Plenary (Keynote) Lectures	
Chair	Prof. Matthias Kaestner
10:00-10:50	Biomonitoring of human exposure to environmental chemicals <i>Prof. Dr. Kurunthachalam Kannan, Wadsworth Center, University at Albany, SUNY, USA</i>
Chair	Prof. Bin Zhao
11:00-11:50	Technical Advances in chemical contaminants analysis in biological sample and their impact on biomonitoring and exposome studies <i>Dr. Jianwen She, California Department of Public Health, U.S.A</i>

Mon, September 25		
Lunch on Seminar		
	Room 015	Room 013
12:10-12:50	Agilent Technologies "Benefit of ICP-MS analysis for challenging applications" presented" <i>Dr. Sayuri Otaki, Global ICP-MS Marketing Manager, Agilent Technologies, Life Science and Applied Markets Group, Japan</i> "New Development of GC/Q-TOF Technology for POPs analysis in Environmental Application" <i>Dr. Jia-Jia Wu, GCMS application engineer, Agilent Technologies (China) Co. Ltd, Japan</i>	Wellington Laboratories "Study of immunotoxic effects of dechlorane 602" <i>Prof. Bin Zhao, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China</i> "TBA" <i>Prof. Takeshi Nakano, Osaka University, Japan</i>

Mon, September 25

	Main Hall	Room 015	Room 014	Room 013	Room 011
	1. Sources, transport and fate of PTS	2. Emerging contaminants of concern	3. Toxicology and eco-toxicology of PTS	4. Analytical and bioanalytical methods	7. Mitigation and remediation of PTS
Chair	Prof. Toshihiro Kitada	Prof. Weiping Liu	Dr. Daniel Schlenk	Dr. Jianwen She	Prof. Phillippe Corvini
13:20-13:50	<p>⟨OS1-1⟩ Invited Lecture Classification and modelling of non-extractable residues (NER) formation from pesticides in soil <i>Matthias Kaestner, Germany</i></p>	<p>⟨OS2-1⟩ Invited Lecture Emerging contamination issue of persistent toxic substances in e-waste recycling sites <i>Tatsuya Kunisue, Japan</i></p>	<p>⟨OS3-1⟩ Invited Lecture Effects on Hepatic Transcriptome and Metabolome in Beagle Dogs Treated with PCBs <i>Hisato Iwata, Japan</i></p>	<p>⟨OS4-1⟩ Invited Lecture Analytical Study of Organic Compounds in Cigarette Smoke by Soft Ionization Mass Spectrometry <i>Rumiko Hayashi, Japan</i></p>	<p>⟨OS7-1⟩ Invited Lecture Potential of endophytic bacteria on reducing PAH contamination of plants <i>Xuezhu Zhu, China</i></p>
13:50-14:10	<p>⟨OS1-2⟩ 1129 Sunlight Promotes Fast Release of Hazardous Cadmium from Widely-Used Commercial Cadmium Pigment <i>Xiaolei Qu, China</i></p>	<p>⟨OS2-2⟩ 1049 The response of β-Cyclocitral and β-Ionone during the decay of cyanobacteria in Lake Taihu <i>Limin Zhang, China</i></p>	<p>⟨OS3-2⟩ 1066 Co-exposure of nano-TiO₂ and typical organic toxicants cause enhanced toxicity to zebrafish <i>Bingsheng Zhou, China</i></p>	<p>⟨OS4-2⟩ 1082 Sensitive Fluorescent Assays for Aflatoxin B1 Using Aptamers as Affinity Ligand <i>Qiang Zhao, China</i></p>	<p>⟨OS7-2⟩ 1014 Filamentous fungi and iron-oxidizing bacteria improved dewaterability of surplus sludge <i>Lixiang Zhou, China</i></p>
14:10-14:30	<p>⟨OS1-3⟩ 1156 Organic Contamination in Agricultural Soils of China: A Critical Review <i>Xiangdong Li, Hong Kong</i></p>	<p>⟨OS2-3⟩ 1050 Effects of Nanoplastics and Microplastics on Mineralization and Bioaccumulation of Phenanthrene in the Earthworm <i>Metaphire guillelmi</i> <i>Yini Ma, China</i></p>	<p>⟨OS3-3⟩ 1084 Toxicity of carbon nanotubes to algae <i>Daohui Lin, China</i></p>	<p>⟨OS4-3⟩ 1141 Simultaneous size characterization and mass quantification of the in vivo corebiocorona structure and dissolved species of silver nanoparticles <i>Jingfu Liu, China</i></p>	<p>⟨OS7-3⟩ 1098 Degradation of neonicotinoid insecticides by the white-rot fungus <i>Phanerochaete sordida</i> YK-624 <i>Jinqiao Wang, Japan</i></p>
14:30-14:50		<p>⟨OS2-4⟩ 1177 UV-induced physicochemical change in AgNPs from commercial wound dressing and subsequent toxicological effects <i>Yaguang Nie, China</i></p>		<p>⟨OS4-4⟩ 1113 Adoption the Fast-GC Triple Stage Quadrupole MS/MS method to POPs monitoring in environment <i>Takeshi Nakano, Japan</i></p>	<p>⟨OS7-4⟩ 1124 Enhanced biotransformation of fluorotelomer alcohols (FTOHs) via ammonia oxidation process in activated sludge <i>Xiaolong Yu, Japan</i></p>
14:50-16:10	Poster session & Coffee break				

Mon, September 25

	Main Hall	Room 015	Room 014	Room 013	Room 011
Chair	Prof. Rong Ji	Prof. Tatsuya Kunisue	Prof. Eddy Y. Zeng	Prof. Takeshi Nakano	Prof. Xuezu Zhu
16:10-16:30	<p>⟨OS1-4⟩ 1115 Bioassay-directed identification of endocrine disrupting chemicals: Empirical and virtual screening strategies <i>Wei Shi, China</i></p>	<p>⟨OS2-5⟩ 1007 Probing the Environmental Fate of Acesulfame <i>Kelvin Sze-Yin Leung, HongKong</i></p>	<p>⟨OS3-4⟩ 1142 GABA antagonist activities of α-BHC enantiomers and their metabolic fate in the house fly <i>Keiji Tanaka, Japan</i></p>	<p>⟨OS4-5⟩ 1045 High-throughput Screening Strategies for Identifying Polar Organic Contaminants in Wastewater <i>Si Wei, China</i></p>	<p>⟨OS7-5⟩ 1122 Metagenomic characterization of tetrachloroethene to ethene dechlorinating consortium and transcriptional analysis of its reductive dehalogenases genes <i>Mohamed Ismaeil, Japan</i></p>
16:30-16:50	<p>⟨OS1-5⟩ 1023 Transformation between aromatic iodinated disinfection byproducts in the presence of monochloramine <i>Tingting Gong, China</i></p>	<p>⟨OS2-6⟩ 1138 Suspect and Non-target Screening for Environmental Contaminants in Air Particles <i>Si Wei, China</i></p>	<p>⟨OS3-5⟩ 1005 Photochlorinated Fullerene Increase Cytotoxicity towards Macrophage J774 via Acting as SOD and Electron-Transfer Mediator <i>Chengdong Zhang, China</i></p>	<p>⟨OS4-6⟩ 1068 ID-HRMS for the simultaneous determination of OCPs and PCBs and for the preparation of mussel primary reference material GBW10069 <i>Xianbo Lu, China</i></p>	<p>⟨OS7-6⟩ 1140 Electrochemical characterization of metal-humic acid complexes as external electron mediator in bioelectrochemical technology <i>Pham Minh Duyen, Japan</i></p>
16:50-17:10	<p>⟨OS1-6⟩ 1155 Non-extractable residues: unravelling the Black Box in pesticide research <i>Karolina M. Nowak, Germany</i></p>	<p>⟨OS2-7⟩ 1174 Stereoisomer-specific distribution of HBCD and TBECH in a marine food web from the South China Sea <i>Yuefei Ruan, China</i></p>	<p>⟨OS3-6⟩ 1118 Toxicity of black phosphorus nanosheets (BPs) <i>Guangbo Qu, China</i></p>	<p>⟨OS4-7⟩ 1123 Determination of PCDD/Fs and dioxin-like PCBs in multi-matrices using gas chromatography/triple quadrupole mass spectrometry <i>Qinghua Zhang, China</i></p>	<p>⟨OS7-7⟩ 1145 Microbial biotransformation of toxic metalloids and its bioremediation implications <i>Natsuko Hamamura, Japan</i></p>
17:10-17:30			<p>⟨OS3-7⟩ 1186 Mass Spectrometrybased Techniques for the Investigation on Toxicological Mechanisms of Bisphenol F in Breast Cancer Xenografts <i>Zongwei Cai, Hong Kong</i></p>	<p>⟨OS4-8⟩ 1137 Extended virtual screening strategies to link androgenic activities and detected contaminants in polluted area <i>Wei Shi, China</i></p>	<p>⟨OS7-8⟩ 1153 Removal Possibility of Heavy Metals By Biofilms Formed in Laboratory Biofilm Reactors <i>Hideyuki Kanematsu, Japan</i></p>

Tue, September 26

	Main Hall
	Plenary (Keynote) Lectures
Chair	Prof. Nagahisa Hirayama
9:00-9:50	Current status of radioactive environmental pollution in Fukushima <i>Dr. Seiji Hayashi, National Institute for Environmental Studies, Japan</i>
Chair	Prof. Jay Gan
10:00-10:50	From wastewater treatment plants to our plate: Human exposure to wastewater derived pharmaceuticals in fresh produce <i>Dr. Benny Chefetz, The Hebrew University of Jerusalem, Israel</i>
Chair	Prof. Hisato Iwata
11:00-11:50	Use of transcriptomic and informatic tools to predict adverse outcome pathways of oil to embryonic and larval fish from the Gulf of Mexico <i>Dr. Daniel Schlenk, UC Riverside, U.S.A</i>
11:50-13:20	Lunch

Tue, September 26

	Main Hall	Room 015	Room 014	Room 013	Room 011
	1. Sources, transport and fate of PTS	5. Fate and Toxicity Modeling	3. Toxicology and eco-toxicology of PTS	8. Others	7. Mitigation and remediation of PTS
Chairs	Prof. Kurunthachalam Kannan	Dr. Benny Chefetz	Prof. Keiji Tanaka	Dr. Seiji Hayashi	Prof. Guijin Su
13:20-13:50	⟨OS1-7⟩ Invited Lecture Long-term Variation of Mercury in Fish a Wetland Ecosystem <i>Yong Cai, U.S.A.</i>	⟨OS5-1⟩ Invited Lecture Application of multi-surface speciation model in prediction of metal partition and bioavailability in soils <i>Xueyuan Gu, China</i>	⟨OS3-8⟩ Invited Lecture Hydroxylated Polybrominated Biphenyl Ethers Exert Estrogenic Effects via Non-genomic G Protein Coupled Estrogen Receptor Pathways <i>Liang-Hong Guo, China</i>	⟨OS8-1⟩ Invited Lecture Dynamics of radiocesium in forest ecosystems in Fukushima after the accident of the Fukushima Dai-ichi Nuclear Power Plant <i>Chisato Takenaka, Japan</i>	⟨OS7-9⟩ Invited Lecture Treatment of osmium wastewater using supercritical fluids <i>Tepppei Nunoura, Japan</i>
13:50-14:10	⟨OS1-8⟩ 1112 Identifying Secondary Copper Smelters to be New Sources of Emerging Chlorinated and Brominated Polycyclic Aromatic Hydrocarbons <i>Guorui Liu, China</i>	⟨OS5-2⟩ 1011 Kinetic investigation of laccase catalysed transformation of phenolic contaminants <i>Junhe Lu, China</i>	⟨OS3-9⟩ 1017 Quinones Derived from Polychlorinated Biphenyls promote the metastasis of breast cancer by activating matrix metalloproteinase via the FAK/Akt/ERK signaling pathways <i>Yang Song, China</i>	⟨OS8-2⟩ 1047 GIS Data Sharing System for Lead Contamination Problems in Kabwe, Zambia <i>Shinsaku Nakamura, Japan</i>	⟨OS7-10⟩ 1061 Insights into antimony adsorption on TiO2 facets <i>Chuanyong Jing, China</i>

Tue, September 26

	Main Hall	Room 015	Room 014	Room 013	Room 011
14:10-14:30	<p>〈OS1-9〉 1136 Dissipation of Nonylphenol in Rhizosphere of the Paddy Rice (<i>Oryza sativa</i>) and Accumulation of Nonylphenol Residues in the Plants and Grains <i>Rong Ji, China</i></p>	<p>〈OS5-3〉 1032 Degradation Mechanism of 17β-Estradiol in Water Mediated by Extracellular Peroxidase under Simulated Solar Light <i>Shixiang Gao, China</i></p>	<p>〈OS3-10〉 1052 Phthalate metabolites, parabens, and environmental phenols in university students of South China: Occurrences and exposure risk assessment <i>Ying Guo, China</i></p>	<p>〈OS8-3〉 1069 National strategy and action plan on PBDEs control in China to fulfill the obligation of POPs Convention <i>Zhiyuan Ren, China</i></p>	<p>〈OS7-11〉 1085 Linear and Nonlinear Partition of Selected Aromatic Chemicals into a Polar Resin ADS-21 from Water <i>Kun Yang, China</i></p>
14:30-14:50			<p>〈OS3-11〉 1110 Mechanism of Novel Free Radical Production and DNA Damage Induced by Halogenated Quinoid Carcinogens <i>Ben-Zhan Zhu, China</i></p>	<p>〈OS8-4〉 1171 Preparation of renewable gold Salen complex immobilized carbon composite for catalytic degradation of hazardous pollutant dyes <i>Vishal J. Mayani, Korea</i></p>	<p>〈OS7-12〉 1021 Decomposition of organic compounds by discharge plasma at gas/liquid interface <i>Motonobu Goto, Japan</i></p>
14:50-16:10	Poster session & Coffee break				
Chair	Prof. Andreas Shaeffer		Prof. Liang-Hong Guo	Prof. Xueyuan Gu	Prof. Teppei Nunoura
16:10-16:30	<p>〈OS1-10〉 1025 Factors affecting the transport and fate of graphene in aquatic environments <i>Yu Su, China</i></p>		<p>〈OS3-12〉 1178 Graphene Oxide Attenuates the Cytotoxicity and Mutagenicity of PCB 52 via Activation of Genuine Autophagy <i>Yun Liu, China</i></p>	<p>〈OS8-5〉 1018 Characterization and mechanistic studies on <i>Tetrahymena thermophila</i> SB210 selenite reduction process <i>Yinhua CUI, China</i></p>	<p>〈OS7-13〉 1040 Decomposition of polychlorobiphenyls by activated carbon-supported bimetallic catalysts from an ion-exchange resin <i>Yifei Sun, China</i></p>
16:30-16:50	<p>〈OS1-11〉 1094 Correlations and sorption mechanisms of aromatic chemicals on rice straw humus with various humification degree <i>Kun Yang, China</i></p>		<p>〈OS3-13〉 1180 Effects of PCBs on estrogen balance and its related diseases <i>Qiansheng Huang, China</i></p>	<p>〈OS8-6〉 1002 Understanding and mitigating risk of methylmercury in contaminated soil-plant systems : Recent progresses <i>Huan Zhong, China</i></p>	<p>〈OS7-14〉 1111 Intrinsic Chemiluminescence Production from the Degradation of Haloaromatic Pollutants during Advanced Oxidation Processes <i>Ben-Zhan Zhu, China</i></p>
16:50-17:10 (17:20)	<p>〈OS1-12〉 1157 Species-specific sensitivity of two ecologically different earthworms to soil pollutants <i>Rong Ji, China</i></p>		<p>〈OS3-14〉 1175 Genotoxicity of ZnO nanoparticles in mammalian cells during the aging process <i>An Xu, China</i></p>	<p>〈OS8-7〉 Invited Lecture Current and Future Mercury Waste Management in Japan <i>Masaki Takaoka, Japan</i></p>	<p>〈OS7-15〉 1170 InSitu and ExSitu Thermal Remediation of PCB and Dioxin-Cotaminated Soil <i>Hatsue Minato Braatz, Japan</i></p>

Wed, September 27

Main Hall	
Plenary (Keynote) Lectures	
Chair	Prof. Masaaki Hosomi
9:00-9:50	Health Risk Assessment Model of 1,4-Dioxane Based on Physical and Chemical Properties of Soils <i>Prof. Takeshi Komai, Tohoku University, Japan</i>
Chair	Prof. Yong Cai
10:00-10:50	Enantioselectivity in Environmental Processing and Ecotoxicology of Chiral Contaminates <i>Prof. Weiping Liu, Zhejiang University, China</i>
Chair	Prof. Natsuko Hamamura
11:00-11:50	Ips0-substitution: the hidden gate to the central metabolism <i>Prof. Dr. Philippe Francois-Xavier Corvini, University of Applied Sciences and Arts Northwestern Switzerland, Switzerland</i>
11:50-13:20	Lunch

Wed, September 27

	Main Hall	Room 015	Room 014	Room 013	Room 011
	1. Sources, transport and fate of PTS	6. Risk assessment of PTS			7. Mitigation and remediation of PTS
Chair	Prof. Hideyuki Inui	Prof. Takeshi Komai			Prof. Motonobu Goto
13:20-13:50	<OS1-13> Invited Lecture Decadal trend of dioxins and dioxin-like compounds in environmental multi-media in Aichi Prefecture, Japan : as revealed by data of the local government <i>Toshihiro Kitada, Japan</i>	<OS6-1> Invited Lecture Non-Extractable Residues of Environmental Pollutants in Soil: Who Cares? <i>Andreas Schaeffer, Germany</i>			<OS7-16> Invited Lecture Thermal degradation of polybrominated diphenyl ethers over Li-Ti-O composite oxide micro/nano material <i>Gujjin Su, China</i>
13:50-14:10	<OS1-14> 1126 Dose atmospheric boundary layer height correlate with PBDE concentrations in air? <i>Nguyen Thanh Dien, Japan</i>	<OS6-2> 1012 Impacts of size and nature organic matter on the potential ecological risks of few layer graphene in water <i>Liang Mao, China</i>			<OS7-17> 1042 Research on Pollution Prevention and Control BAT of PCDD/Fs in Secondary Aluminum Industry <i>Wu Guanglong, China</i>

Program

Wed, September 27

	Main Hall	Room 015	Room 014	Room 013	Room 011
14:10-14:30	<p>〈OS1-15〉 1151 Level and distribution of HBCDs in freshwater systems, focusing on tissue-specific bioaccumulation in crucian carp from three major rivers in Korea <i>Jeong-Eun Oh, Korea</i></p>	<p>〈OS6-3〉 1030 Risk assessment of PCDD/Fs and DL-PCBs in Korean population <i>Eun-su Shin, Korea</i></p>			<p>〈OS7-18〉 1086 Melanoidin decomposition in water for bioethanol production using ozone microbubbles <i>Keiji Yasuda, Japan</i></p>
14:30-14:50		<p>〈OS6-4〉 1183 Isomer-Specific Distribution and Transplacental Efficiencies of Perfluoroalkyl Substances in Human Blood <i>Lingyan Zhu, China</i></p>			<p>〈OS7-19〉 1185 Role of Humin for the Stimulation of Microbial Reductive Dehalogenation <i>Chunfang Zhang, China</i></p>

Wed, September 27

	Main Hall
15:00-15:30	Closing Ceremony

Group 1

Session 2	
Title	Authors
<p>⟨PS2-1⟩ 1020 Occurrence of resistant bacteria and ARGs in farmland soil fertilized with chicken manure chronically</p>	<p><i>Jinhua Wang¹, Xiang Zhao¹, Lusheng Zhu¹</i> ¹ College of Resources and Environment, Shandong Agricultural University, China</p>
<p>⟨PS2-2⟩ 1132 Effects of photopolymerization initiators on in vitro transcriptional activities via nuclear receptors</p>	<p><i>Shinji Takeuchi¹, Hiroyuki Kojima¹</i> ¹ Hokkaido Institute of Public Health, Sapporo, Japan</p>
<p>⟨PS2-3⟩ 1147 Effects of cooking on the concentrations and distribution of chlorinated paraffins in foodstuffs—a possible CPs elimination pathway</p>	<p><i>Wei Gao, Yawei Wang, and Guibin Jiang</i> State Key Laboratory of Environmental Chemistry and Ecotoxicology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences</p>
<p>⟨PS2-4⟩ 1150 Characteristic Occurrence and Distributions of Pharmaceuticals in the Nakdong River</p>	<p><i>Heon-Jun Lee¹, Hee-Young Kim¹, Ki Yong Kim¹, Duk-Seok Yang², Young-Kyong Lim², Jae-Hyuk Kim¹, Jeong-Eun Oh¹</i> ¹ Department of Civil and Environmental Engineering, Pusan National University, Korea ² Nakdong River Environmental Research Center, National Institute of Environmental Research, Korea</p>
<p>⟨PS2-5⟩ 1159 Study on the analysis and uptake of antibiotics in vegetables</p>	<p><i>Xianliang Qiao, Xiaoqing Yang, Misbah Uddin, Ren Tian</i> Dalian University of Technology, China</p>
<p>⟨PS2-6⟩ 1164 Dietary Exposure to Short- and Median-Chain Chlorinated Paraffins in the Meat and Meat Products from Twenty Provinces of China</p>	<p><i>Huiting Huang, Lirong Gao*, Dan Xia, Lin Qiao, and Minghui Zheng</i> Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, Beijing 100085, China</p>
<p>⟨PS2-7⟩ 1182 Persistent organic pollutants in melon-headed whales stranded along the Japanese coastal waters : temporal trend analyses using samples and data stored in es-BANK and ChemTHEATRE</p>	<p><i>Tatsuya Kunisue¹, Kana Egashira¹, Tomohiko Isobe², Kei Nakayama¹, Yuko Tajima³, Tadasu K Yamada³, Shinsuke Tanabe¹</i> ¹ Center for Marine Environmental Studies (CMES), Ehime University, Japan ² Center for Environmental Health Sciences, National Institute for Environmental Studies, Japan ³ Department of Zoology, National Museum of Nature and Science, Japan</p>

Title	Authors
<p>(PS3-1) 1006 Autonomous Stepwise Process of Adsorption, Reduction and Desorption of Chromium Ion by Hydrogel Beads having Poly(ethylene glycol) Chains</p>	<p><i>Kinoshita Takehiko¹, Ishigaki Yuzo¹, Nakano Kazunori¹ Yamaguchi Koichi¹, Shibata Nobuyuki¹, Akita Shigendo¹</i> ¹ Nagoya Municipal Industrial Research Institute, Japan</p>
<p>(PS3-2) 1041 Discovery of Novel Aryl Hydrocarbon Receptor Agonists/antagonists by a Combinational Compounds Library Approach</p>	<p><i>Yin Liu¹, Bin Zhao¹</i> ¹ Research Center for Eco-Environmental Science, Chinese Academy of Sciences, Beijing, China</p>
<p>(PS3-3) 1048 The Novel Brominated Flame Retardants TBPH and TBB affects fecundity and Transcriptome Profiling of short-term assay in Zebrafish (<i>Danio rerio</i>)</p>	<p><i>Zhiyuan Ma¹, Xiaohui Zhang¹, Hongling Liu^{1,*}</i> ¹ State Key Laboratory of Pollution Control and Resource Reuse, School of the Environment, Nanjing University</p>
<p>(PS3-4) 1059 Gender and life stage differences in effects of prenatal exposure to bisphenol A on the liver transcriptome of rat offspring</p>	<p><i>Hoa Thanh Nguyen¹, Kimika Yamamoto¹, Tetsuro Agusa¹, Masashi Hirano¹, Mari Ochiai¹, Eun-Young Kim², Hisato Iwata¹</i> ¹ Center for Marine Environmental Studies, Ehime University, Japan ² Department of Life and Nanopharmaceutical Science and Department of Biology, Kyung Hee University, Korea</p>
<p>(PS3-5) 1079 Sulfate aerosols promote lung cancer metastasis by epigenetic regulation of EMT</p>	<p><i>Yang Yun, Rui Gao, Xiaotong Ji, Guangke Li, Nan Sang[*]</i> College of Environment and Resource, Research Center of Environment and Health, Shanxi University, China</p>
<p>(PS3-6) 1080 Interacting effects of multiwall carbon nanotube and paraquat toxicity on <i>Arabidopsis thaliana</i>: the role of changes in root morphology and paraquat adsorption</p>	<p><i>Xiaoji Fan¹, Jiahui Xu², Michel Lavoie³, Youchao Zhu⁴, Tao Lu⁴, Zhengwei Fu¹, Tingheng Zhu¹, Haifeng Qian^{4,*}</i> ¹ College of Biotechnology and Bioengineering, Zhejiang University of Technology, Hangzhou 310032, P. R. of China ² Department of Food Science and Technology, Zhejiang University of Technology, Hangzhou 310032, P. R. of China ³ Quebec-Ocean and Takuvik Joint International Research Unit, Université Laval, Québec, Canada ⁴ College of Environment, Zhejiang University of Technology, China</p>
<p>(PS3-7) 1083 Tetrabromobisphenol A (TBBPA) Exhibits Specific Antimicrobial Activity against Gram-positive Bacteria without Detectable Resistance</p>	<p><i>Fang Ji¹, Chang Wang², Huimin Wang², Qi Zheng³, Guibin Jiang⁴, Yong Liang^{1,2,3,*}</i> ¹ School of Medicine, Jiangnan University, Wuhan 430056, P. R. China ² Institute of Environment and Health, Jiangnan University, China ³ Key Laboratory of Optoelectronic Chemical Materials and Devices (Jiangnan University), Ministry of Education, China ⁴ State Key Laboratory of Environmental Chemistry and Ecotoxicology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China</p>

Title	Authors
<p>(PS3-8) 1105 Transcriptome analysis to assess the effects of prenatal bisphenol A exposure on developing chicken embryos</p>	<p><i>Shohei Itoh¹, Midori Iida¹, Thanh Nguyen Hoa¹, Tetsuro Agusa^{1,2}, Masashi Hirano¹, Mari Ochiai¹, Eun-Young Kim³, Hisato Iwata¹</i> ¹Center for Marine Environmental Studies (CMES), Ehime University, Matsuyama, Japan; ²Faculty of Environmental and Symbiotic Sciences, Prefectural University of Kumamoto, Kumamoto, Japan; ³Department of Biology and Department of Life and Nanopharmaceuticals Science, Kyung Hee University, Korea</p>
<p>(PS3-9) 1107 Experimental and computational insights on the recognition mechanism between the estrogen receptor α with bisphenol compounds</p>	<p><i>Huiming Cao^{1,2}, Fengbang Wang^{1,2}, Yong Liang³, Hailin Wang¹, Aiqian Zhang¹, Maoyong Song¹</i> ¹State Key Laboratory of Environmental Chemistry and Ecotoxicology, Research Center for Eco-Environmental Sciences, Chinese Academy of Science, China ²University of Chinese Academy of Sciences, China ³Institute of Environment and Health, Jiangnan University, China</p>
<p>(PS3-10) 1116 Biological effect evaluation of new recyclable carbon fiber</p>	<p><i>Akihiro Moriyama¹, Tisato Nagaya¹, Hitoshi Iwahashi¹, Ken Hatou², Hiroshi Moritomi²</i> ¹Faculty of Applied Biological Sciences, Gifu University, Gifu, Japan ²Faculty of Engineering, Gifu University, Gifu, Japan</p>
<p>(PS3-11) 1130 Characterization of the endocrine disruption potential of bisphenol A structural analogues via human nuclear receptors</p>	<p><i>Hiroyuki Kojima¹, Shinji Takeuchi¹, Seigo Sanoh², Shigeyuki Kitamura³, Naoto Uramaru³, Kazumi Sugihara⁴, Kouichi Yoshinari⁵</i> ¹Hokkaido Institute of Public Health, Sapporo, Japan ²Graduate School of Biomedical and Health Sciences, Hiroshima University, Hiroshima, Japan ³Nihon Pharmaceutical University, Saitama, Japan ⁴Faculty of Pharmaceutical Science, Hiroshima International University, Kure, Japan ⁵School of Pharmaceutical Sciences, University of Shizuoka, Shizuoka, Japan</p>
<p>(PS3-12) 1161 Effect of ionic liquids on <i>Scenedesmus obliquus</i> : Role of cations and anions</p>	<p><i>Yilu Xia, Ying Dong, Huijun Liu</i> School of Environmental Science and Engineering, Zhejiang Gongshang University, China</p>
<p>(PS3-13) 1162 Oxidative DNA damage induced by halobenzoquinones in genome of T24 cells</p>	<p><i>Junfa Yin^{1,2}, Shaokun Chen^{1,2}, Tian Xu¹, Hailin Wang^{1,2*}</i> ¹State Key Laboratory of Environmental Chemistry and Ecotoxicology, Research Centre for Eco-Environmental Sciences, Chinese Academy of Sciences, China ²University of Chinese Academy of Sciences, China</p>
<p>(PS3-14) 1168 Bisphenol B and bisphenol AF have higher estrogenic effects than bisphenol A via G protein coupled estrogen receptor (GPER) pathway</p>	<p><i>Xiao-Min Ren¹, Lin-Ying Cao¹, Liang-Hong Guo¹</i> ¹State Key Laboratory of Environmental Chemistry and Eco-toxicology, Research Center for Eco-environmental Sciences, Chinese Academy of Sciences, China</p>

Session 3	
Title	Authors
<p>(PS3-15) 1176 The effects of ionic strength on physicochemical property and toxicity of silver nanoparticle in food chain</p>	<p><i>Yaning Yang^{1,2}, Shengmin Xu¹, An Xu^{1,2}, Lijun Wu^{1,2}</i> ¹ Key laboratory of High magnetic field and Ion beam physical biology, Hefei Institutes of Physical Science, Chinese Academy of Sciences, China ² School of Environmental Science and Optoelectronic Technology, University of Science and Technology of China, Hefei, China</p>
<p>(PS3-16) 1181 A Novel Mechanism for Bisphenol A-triggered Non-alcoholic Fatty Liver Disease</p>	<p><i>Yi Lin¹, Jie Wei², Sijun Dong¹</i> ¹ Key Lab of Urban Environment and Health, Institute of Urban Environment, Chinese Academy of Sciences, China. ² Department of Basic Medical Sciences, Medical College, Xiamen University, China</p>
Session 4	
<p>(PS4-1) 1008 Ion-imprinted magnetic nanoparticles for specific separation and concentration of ultra-trace methyl mercury from aqueous sample</p>	<p><i>Wenjing Jiang¹, Weihua Wu¹, LiangJun Xu¹, FengFu Fu^{1*}</i> ¹ Key laboratory for analytical science of food safety and biology of MOE, Fujian Provincial Key Lab of Analysis and Detection for Food Safety, College of Chemistry, Fuzhou University, China</p>
<p>(PS4-2) 1022 The Combined Use of the CALUX Bioassay and the HRGC/HRMS Method for the Detection of Soil Dioxin in Taiwan</p>	<p><i>Wen Lan Lin¹, I Hsin Lee¹, Bo-Wei Power Liang¹, Chun Ming Chen², Tzu Hsin Wang²</i> ¹ Environmental Assessment and Planning Department II, Sinotech Engineering Services, Ltd., Taiwan. ² Soil and Groundwater Pollution Remediation Fund Management Board, Environmental Protection Administration, Executive Yuan, Taiwan</p>
<p>(PS4-3) 1033 Magnetic Metal-Organic Nanotubes for Magnetic Solid-Phase Extraction</p>	<p><i>Qiu-Lin Li, Lei-Lei Wang, Ru-Song Zhao*</i> Key Laboratory for Applied Technology of Sophisticated Analytical Instruments of Shandong Province, Analysis and Test Center, Shandong Academy of Sciences, Jinan, China</p>
<p>(PS4-4) 1034 Direct imaging analysis of agricultural chemicals in plant using Surface-assisted Laser Desorption/Ionization with Sputter-deposited Platinum Film</p>	<p><i>Issey Osaka</i> Japan Advanced Institute of Science and Technology</p>
<p>(PS4-5) 1044 Magnetic and thermo dual-responsive nanomaterial Fe@SiO₂@poly(NIPAM-co-MAA) and its magnetic solid phase extraction of bisphenol A, phenol and hydroquinone from water samples prior to HPLC</p>	<p><i>Qingxiang Zhou*, Man Lei, Yalin Wu, Yongyong Yuan</i> College of Geosciences, China University of Petroleum Beijing, Beijing 102249, China</p>

Title	Authors
<p>〈PS4-6〉 1051 Dithizone functionalized magnetite-reduced graphene oxide composites as magnetic adsorbent for enrichment and determination of mercury species in the environmental waters</p>	<p><i>Zhenhua Wang[*], Lei Li</i> Shandong Analysis and Tester Center, Shandong Academy of Science, China</p>
<p>〈PS4-7〉 1067 Simultaneous determination of related substances to bisphenol A in environmental and biological samples by LC-MS/MS</p>	<p><i>Seiji Ito, Fumiya Nakata</i> Bioscience division, Tosoh Corporation, Kanagawa 252-1123, Japan</p>
<p>〈PS4-8〉 1106 Measurements of ambient aromatic compounds using laser multiple reflection ionization mass spectrometry</p>	<p><i>Osamu Kobayashi¹, Kenichi Tonokura¹</i> ¹ Department of Environment Systems , The University of Tokyo, Japan</p>
<p>〈PS4-9〉 1114 Ferric ion detection using color band formation method</p>	<p><i>Yuki Kamimoto¹, Ryota Imai², Supinya Nijpanich², Takeshi Hagio¹, Ryoichi Ichino^{1,3}</i> ¹ Green Mobility Research Institute, Institutes of Innovation for Future Society, Nagoya University, Japan ² Department of Chemical Systems Engineering, Graduate School of Engineering, Nagoya University, Japan ³ Institute of Materials and Systems for Sustainability, Nagoya University, Japan</p>
<p>〈PS4-10〉 1134 New technology for non-target analysis of PFASs in ambient air using cryogenic air sampler</p>	<p><i>Dipa Lalwani Makhija^{1,2}, Pooja Niravakumar Thaker^{1,2}, Sachi Taniyasu¹, Eriko Yamazaki¹, Takanori Enomoto³, Nirmal Kumar², Nobuyoshi Yamashita¹</i> ¹ Environmental Management Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Japan ² Institute of Science and Technology for Advanced Studies and Research (ISTAR), Sardar Patel University, India ³ Sibata Scientific Technology Ltd., Japan</p>
<p>〈PS4-11〉 1135 New international standard method of poly and per-fluorinated alkyl substances (PFASs) measurements in water samples</p>	<p><i>Sachi Taniyasu¹, Eriko Yamazaki¹, Nobuyoshi Yamashita¹</i> ¹ Environmental Management Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Japan</p>
<p>〈PS4-12〉 1158 Identification of Metabolites Formation from In Vivo Exposure to Phenanthrene and Alkylated Phenanthrenes in <i>Sebastes schlegelii</i></p>	<p><i>Ki Yong Kim¹, Jee Hyun Jung², Un Hyuk Yim², Jeong-Eun Oh¹</i> ¹ Department of Civil and Environmental Engineering, Pusan National University, Republic of Korea ² Oil & POPs Research Group, South Sea Reserch Institute, KIOST, Korea</p>

Session 5	
Title	Authors
<p>⟨PS5-1⟩ 1003 Environmental risk assessment of highly hydrophobic substances: assessing biodegradation and desorption with improved tools (project RABIT)</p>	<p><i>Felix Stibany¹, Fabio Polese², Maximilian Müller¹, Kilian Smith¹, Stefan Trapp², Andreas Schäffer¹</i> ¹ Institute for Environmental Research (BioV), RWTH Aachen University, Aachen, Germany ² Department of Environmental Engineering, Technical University of Denmark, Kongens Lyngby, Denmark</p>
<p>⟨PS5-2⟩ 1104 In silico investigation of biological activities and physicochemical properties of PBDEs metabolites</p>	<p><i>Haiying Yu, Guangcai Ma, Jianrong Chen</i> Zhejiang Normal University, Department of Environmental Sciences, Jinhua, China</p>
Session 8	
<p>⟨PS8-1⟩ 1043 A Study of the 2,4,5-Trichlorophenoxyacetic Acid (2,4,5-T)-Degrading Potential in Non-Degrading <i>Bradyrhizobium elkanii</i> USDA94</p>	<p><i>Shohei Hayashi¹, Shinnosuke Kobayashi¹, Kazuhito Itoh¹, Kousuke Suyama¹</i> ¹ Faculty of Life and Environmental Science, Shimane University, Japan</p>
<p>⟨PS8-2⟩ 1056 Novel Assimilation Mechanism of Alkylphenol polyethoxylates by <i>Pseudomonas putida</i> S5 strain.</p>	<p><i>Mio Matsushita¹, Yutaro Yuasa², Akifumi Hosoda², Motoyuki Shimizu², Hiroto Tamura^{1,2}</i> ¹ Department of Environmental Bioscience, Meijo University, Japan ² Graduate School of Agriculture, Meijo University, Japan</p>
<p>⟨PS8-3⟩ 1071 Exposure to air particulate matter: Is indoor environment a safe heaven?</p>	<p><i>Yuan-Jie Hu^{1,2}, Lian-Jun Bao³, Chun-Li Huang³, Shao-Meng Li⁴, Eddy Y. Zeng³</i> ¹ State Key Laboratory of Organic Geochemistry, Guangzhou Institute of Geochemistry, Chinese Academy of Sciences, Guangzhou 510640, China ² University of Chinese Academy of Sciences, China ³ School of Environment, Guangzhou Key Laboratory of Environmental Exposure and Health, and Guangdong Key Laboratory of Environmental Pollution and Health, Jinan University, China ⁴ School Air Quality Research Division, Environment Canada, Canada</p>
<p>⟨PS8-4⟩ 1076 Involvement of transporting factors for persistent organic pollutants in <i>Cucurbita pepo</i> toward stress responses</p>	<p><i>Erika Isono¹, Soichiro Asuke¹, Yukio Tosa¹, Hideyuki Inui^{1,2,*}</i> ¹ Graduate School of Agricultural Science, Kobe University, Japan ² Biosignal Research Center, Kobe University, Japan</p>

Group 2

Session 1

Title	Authors
<p>〈PS1-1〉 1026 Determination of tylosin egestion from sheep to assess tylosin spread to agricultural fields by manure application</p>	<p><i>Nao K. Ishikawa¹, Eiko Touno², Yumi Higashiyama², Makoto Sasamoto¹, Tomomi Sasaki³, Yumi Goto⁴, Ayumi Ito¹, Teruyuki Umita¹</i> ¹ Faculty of Science and Engineering, Iwate University, Japan ² Tohoku Agricultural Research Center, The National Agriculture and Food Research Organization, Japan ³ Iwate Pharmaceutical Association, Japan ⁴ Daitou Environment Science Corporation, Japan</p>
<p>〈PS1-2〉 1029 Temporal trend and exposure assessment of polychlorinated dibenzo-p-dioxins and dibenzofurans (PCDD/Fs) in outdoor air and human serum</p>	<p><i>Sung-Hee Seo, Min-Hui Son, Hye-yeong Jo, Yoon-Seok Chang*</i> School of Environmental Science and Engineering, POSTECH</p>
<p>〈PS1-3〉 1039 Distribution of perfluoroalkyl acids from Osaka Bay to coastal waters of Western Japan</p>	<p><i>Hideyuki Inui^{1*}, Katsuya Yamamoto², Atsushi Yamamoto³, Hideo Okamura⁴, Mitsuru Hayashi⁴, Takeshi Nakano⁵, Chisato Matsumura², Keiichi Fukushi⁴, Vladimir P. Beškoski^{1,6}</i> ¹ Biosignal Research Center, Kobe University, Japan ² Hyogo Prefectural Institute of Environmental Sciences, Japan ³ Osaka City Institute of Public Health and Environmental Sciences, Japan ⁴ Graduate School of Maritime Sciences, Kobe University, Japan ⁵ Research Center for Environmental Preservation, Osaka University, Japan ⁶ Faculty of Chemistry, University of Belgrade, Serbia</p>
<p>〈PS1-4〉 1065 Possible metabolic fates of polychlorinated biphenyls by soil bacterium under complex pollution and its structural basis</p>	<p><i>Erika Goto¹, Yuki Haga², Makoto Kubo³, Toshimasa Itoh³, Chie Kasai⁴, Osami Shoji⁴, Keiko Yamamoto³, Chisato Matsumura², Takeshi Nakano⁵, Hideyuki Inui^{1,6*}</i> ¹ Graduate School of Agricultural Science, Kobe University, Japan ² Hyogo Prefectural Institute of Environmental Sciences, Japan ³ Laboratory of Drug Design and Medicinal Chemistry, Showa Pharmaceutical University, Japan ⁴ Graduate School of Science, Nagoya University, Japan ⁵ Research Center for Environmental Preservation, Osaka University, Japan ⁶ Biosignal Research Center, Kobe University, Japan</p>
<p>〈PS1-5〉 1091 Uptake, Translocation, and Biotransformation of Organophosphorus Esters in Wheat (<i>Triticum aestivum</i> L.)</p>	<p><i>Weining Wan^{1,2}, Honglin Huang¹, Jitao Lv¹, Shuzhen Zhang^{1,2}</i> ¹ State Key Laboratory of Environmental Chemistry and Ecotoxicology, Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences ² University of Chinese Academy of Sciences</p>

Session 1	
Title	Authors
<p>⟨PS1-6⟩ 1103 Localization of major latex-like proteins is important for contamination of Cucurbita pepo by persistent organic pollutants</p>	<p>Mizuki Suwa¹, Aya Iwabuchi¹, Kiyoshi Yamazaki¹, Kenichi Ikeda¹, Hideyuki Inui^{1,2,*} ¹ Graduate School of Agricultural Science, Kobe University, Japan ² Biosignal Research Center, Kobe University, Japan</p>
<p>⟨PS1-7⟩ 1133 Significant residue of PFASs in rice (<i>Oryza sativa</i> subsp. <i>japonica</i>)</p>	<p>Pooja Niravakumar Thaker^{1,2}, Dipa Lalwani Makhija^{1,2}, Eriko Yamazaki¹, Sachi Taniyasu¹, Kosuke Noborio³, Nirmal Kumar², Nobuyoshi Yamashita¹ ¹ Environmental Management Research Institute, National Institute of Advanced Industrial Science and Technology (AIST), Japan ² Institute of Science and Technology for Advanced Studies and Research (ISTAR), Sardar Patel University, India ³ Department of Agriculture, Meiji University, Japan</p>
<p>⟨PS1-8⟩ 1163 Distribution of Arsenic Content of River Sediment and Its Deposition Rate</p>	<p>Kana Odashiro¹, Kazutaka Shimamura¹, Toshifumi Igarashi² ¹ Division of Sustainable Resources Engineering, Graduate School of Engineering, Hokkaido University, Japan, ² Faculty of Engineering, Hokkaido University, Japan</p>
<p>⟨PS1-9⟩ 1165 Estimation of Polychlorinated dibenzo-p-dioxin, dibenzofuran, and biphenyl sources in Chinese mitten crabs</p>	<p>Ying Han, Wenbin Liu* Research Center for Eco-Environmental Sciences</p>
Session 6	
<p>⟨PS6-1⟩ 1036 Development of a flow type of fluorescence measuring device for evaluating toxicity of chemicals on microbial activity</p>	<p>Kazuhide Kimbara, Takuma Sakurai, Masaki Shintani, Motohiko Kimura Graduate School of Integrated Science and Technology, Shizuoka University, Japan</p>
<p>⟨PS6-2⟩ 1058 Associations of Pyrethroid Exposure with Pubertal Development in Chinese Boys and Girls</p>	<p>Jing Liu¹, Xiaoqing Ye¹, Weiping Liu¹ ¹ MOE Key Laboratory of Environmental Remediation and Ecosystem Health, College of Environmental and Resource Sciences, Zhejiang University, China</p>
<p>⟨PS6-3⟩ 1070 Comprehensive Assessments of Estrogenic Activities of Three Polyhalogenated Carbazoles</p>	<p>Meirong Zhao*, Qin Song College of Environment, Research Centre of Environmental Science, Zhejiang University of Technology</p>
<p>⟨PS6-4⟩ 1075 Trade-off between reduced health risk and increased unidentified health risk for assessment of genetically modified food</p>	<p>Iwao Sakaguchi^{1,2}, Arata Katayama^{3,2} ¹ Arid Land Research Center, Tottori University, Japan ² EcoTopia Science Institute, Nagoya University, Japan ³ Institute of Materials and Systems for Sustainability, Nagoya University, Japan</p>

Session 6

Title	Authors
<p>〈PS6-5〉 1099 Microbial growth yield as a new parameter in environmental chemistry and risk assessment</p>	<p><i>Andreas Libonati Brock¹, Matthias Kästner², Stefan Trapp¹</i> ¹ DTU Environment, Technical University of Denmark, Kgs. Lyngby, Denmark ² UFZ—Helmholtz-Centre for Environmental Research, Department of Environmental Biotechnology, Leipzig, Germany</p>
<p>〈PS6-6〉 1119 Evaluation of short-chain chlorinated paraffins (SCCPs) pollution from a CP production plant in China</p>	<p><i>Peiwen Wang, Yang Cui, Lei Ding*</i> Environment Research Institute, Shandong University, China</p>
<p>〈PS6-7〉 1120 Risk assessment scheme of persistent toxic substances unintentionally produced by industrial accident</p>	<p><i>Jo Nakayama¹, Atsumi Miyake²</i> ¹ Division for Environment, Health and Safety, The University of Tokyo, Japan ² Institute of Advanced Sciences, Yokohama National University, Japan</p>
<p>〈PS6-8〉 1127 Monitoring of PCBs in seafood via diverse cooking recipe in Korean market basket</p>	<p><i>Haeran Moon¹, Da-hye Kim¹, Jeong-eun Oh^{1*}</i> ¹ Department of Civil and Environmental Engineering, Pusan national University, Korea</p>
<p>〈PS6-9〉 1148 Monitoring of polychlorinated naphthalenes (PCNs) in water, sediment and fish (crucian carp and minnow), Korea</p>	<p><i>Kun-Won Kim, Da-Hye Kim, Pil-Je Kim, Kyung-Hwa Park, Jeong-Eun Oh</i> Department of Civil and Environmental Engineering, Pusan National University, Korea</p>
<p>〈PS6-10〉 1160 Species distribution characteristics of arsenic in shellfish seafood collected from the coastal water of Fujian, China</p>	<p><i>Guidi Yang¹, Zhenmao Lv¹, Zongqing Qiu¹, FengFu Fu²</i> ¹ Fujian Provincial Key Laboratory of Agroecological Processing and Safety Monitoring, College of Life Sciences, Fujian Agriculture and Forestry University, China ² Key Lab of Analysis and Detection for Food Safety of Ministry of Education, Fujian Provincial Key Lab of Analysis and Detection for Food Safety, College of Chemistry, Fuzhou University, China</p>

Session 7

<p>〈PS7-1〉 1016 In situ biodegradation of endosulfan-contaminated soil using isolated bacterial strains</p>	<p><i>Lusheng Zhu¹, Jinhua Wang¹, Lingfen Kong¹</i> ¹ College of Resources and Environment, Shandong Agricultural University, China</p>
<p>〈PS7-2〉 1073 Degradation of toxic compounds at low and medium temperature conditions using filamentous fungus <i>Penicillium</i> sp. CHY-2</p>	<p><i>Young-Cheol Chang¹</i> ¹ Department of Applied Sciences, College of Environmental Technology, Muroran Institute of Technology, Japan</p>

Title	Authors
<p>〈PS7-3〉 1074 Effect of reactant addition technique on the destruction of palm oil mill effluent in Fenton oxidation</p>	<p><i>Disni Gamaralalage¹, Osamu Sawai², Teppei Nunoura^{1,2}</i> ¹ Department of Environment Systems, The University of Tokyo, Japan ² Environmental Science Center, The University of Tokyo, Japan</p>
<p>〈PS7-4〉 1081 Water Purification Abilities of Metal Oxide Nanosheets under Light Irradiation and Its Improvement by Metal Doping</p>	<p><i>Wasusate Soontronchaiyakul, Yu-ki Sasaki, Takuya Fujimura, and Ryo Sasai*</i> Interdisciplinary Graduate School of Science and Engineering, Shimane University, Japan</p>
<p>〈PS7-5〉 1088 Supercritical water oxidation of osmium-containing wastewater</p>	<p><i>Haruna Hirai¹, Osamu Sawai², Teppei Nunoura^{1,2}</i> ¹ Department of Environment Systems, The University of Tokyo ² Environmental Science Center, The University of Tokyo</p>
<p>〈PS7-6〉 1089 Development of bioreactor using <i>Pseudonocardia</i> sp. D17 for treatment of wastewater containing 1,4-dioxane</p>	<p><i>Masashi Kuroda^{1,2}, Kunihiro Fukugasako¹, Masatoshi Nakazawa¹, Kazuki Hisada¹, Keito Koike¹, Norifumi Yamamoto^{1,2}, Daisuke Inoue¹, Michihiko Ike¹</i> ¹ Graduate School of Engineering, Osaka University, Japan ² Taisei Corporation, Japan</p>
<p>〈PS7-7〉 1090 Elucidating the Transformation Pathways of the Recalcitrant Pharmaceutical Carbamazepine by the White-Rot fungus <i>Pleurotus ostreatus</i> Grown on Natural Lignocellulosic Substrate</p>	<p><i>Naama Golan¹, Bettina Seiwert², Benny Chefetz¹, Thorsten Reemtsma² and Yitzhak Hadar¹</i> ¹ Faculty of Agriculture, Food and environment, The Hebrew University of Jerusalem, Rehovot, Israel ² Department of Analytical Chemistry, Helmholtz Center for Environmental Research – UFZ, Leipzig, Germany</p>
<p>〈PS7-8〉 1093 Key factors of remediation strategy for radioactive contaminated area</p>	<p><i>Takeshi Iimoto¹, Hiroyuki Iizuka², Ryuta Takashima³ and Takahiko Suzuki⁴</i> ¹ Division for Environment, Health and Safety, The University of Tokyo, Japan ² School of Engineering, The University of Tokyo, Japan ³ Department of Industrial Administration, Tokyo University of Science, Japan ⁴ Department of Radiological Technology, Teikyo University, Japan</p>
<p>〈PS7-9〉 1095 Investigation on adsorption performance of magnetic activated carbon synthesized from magnetite-embedded epoxy resin</p>	<p><i>Supinya Nijpanich¹, Ryo Morihashi², Takeshi Hagio^{1,3}, Yuki Kamimoto³, Ryoichi Ichino^{1,3,4}</i> ¹ Department of Chemical Systems Engineering, Graduate School of Engineering, Nagoya University, Japan ² Department of Materials Science and Engineering, Graduate School of Engineering, Nagoya University, Japan ³ Green Mobility Research Institute, Institutes of Innovation for Future Society, Nagoya University, Japan ⁴ Institute of Materials and Systems for Sustainability, Nagoya University, Japan</p>

Title	Authors
<p>(PS7-10) 1097 Extraction and recovery of osmium tetroxide from aqueous solution using supercritical CO₂</p>	<p><i>Retsu Miyoshi¹, Osamu Sawai², Teppei Nunoura^{1,2}</i> ¹ Department of Environment Systems, The University of Tokyo ² Environmental Science Center, The University of Tokyo</p>
<p>(PS7-11) 1125 Selective synthesis of high adsorption capacity sodium titanate for treatment of wastewater containing toxic cation</p>	<p><i>Hiroto Kunishi¹, Takeshi Hagio^{2,3}, Yuki Kamimoto³, Ryoichi Ichino^{2,3,4}</i> ¹ Department of Materials Science and Engineering, Graduate school of Engineering, Nagoya University, Japan ² Department of Chemical Systems Engineering, Graduate school of Engineering, Nagoya University, Japan ³ Green Mobility Research Institute, Institutes of Innovation for Future Society, Nagoya University, Japan ⁴ Institute of Materials and Systems for Sustainability, Nagoya University, Japan</p>
<p>(PS7-12) 1139 Treatment performance of high-temperature thermal decomposition for PCBs and Dioxin-contaminated soils and sediment</p>	<p><i>Masaaki Hosomi¹, Shohei Riya¹, Akihiko Terada¹, Yuichi Shibagaki²</i> ¹ Department of Chemical Engineering, Tokyo University of Agriculture and Technology, Japan ² Geo-Re Japan Inc., Japan</p>
<p>(PS7-13) 1143 The biodegradation potential of organic pollutants under different salinity and seasons in a river.</p>	<p><i>Kai Uchida¹, Takanori Awata^{1,2}, Arata Katayama^{1,2}</i> ¹ Civil and Environmental Engineering, School of Engineering, Nagoya University, Japan ² Institute of Materials and Systems for Sustainability, Nagoya University, Japan</p>
<p>(PS7-14) 1149 A large inserted sequence provides unprecedented high 1,2-dichloroethane dechlorination activity in <i>Geobacter</i> sp. AY</p>	<p><i>Yoshida Naoko^{1,2}, Mamoru Oshiki³, Lisa Nonaka⁴, Yuu Hirose⁵, Kiyotoshi Asahi⁶, Arata Katayama²</i> ¹ Nagoya Institute of Technology, ² IMaSS, Nagoya University, ³ National Institute of Technology, Nagaoka College, ⁴ Dokkyo Medical University, ⁵ Toyohashi University of Technology, ⁶ Nagoya City Environmental Science Institute</p>
<p>(PS7-15) 1169 Promotion of Oxidation Reaction by Utilizing Ultrasonic Mists Containing Photocatalysts</p>	<p><i>Tomohiro Itoh^{1,2}, Kohhei Suzuki^{1,2}, Yoshihiro Kojima¹</i> ¹ Institute of Materials and Systems for Sustainability, Nagoya University, Japan ² Department of Chemical Engineering, Graduate School of Engineering, Nagoya University, Japan</p>
<p>(PS7-16) 1179 Reduction and Oxidation Reaction Mechanism of Meta-nitrochlorobenzene Removal by Zero-Valent Iron and Persulfate</p>	<p><i>Changxun Dong^{1,2}</i> ¹ College of Sciences, Nanjing Agricultural University, China</p>

Special Session

Special lectures by Young Scientist Award Winners

Young Scientist Award in the research of Persistent Toxic Substances 2017

Schedule: 13:50-14:50, 27th September 2017

Venue: Room 013

Chair persons: Prof. Dr. Guibin Jiang and Prof. Dr. Arata Katayama

13:50-

Assistant Professor Dr. Takashi Fujimori (Kyoto University, Japan)

“Halogenation of Carbon by Trace Metals during Thermochemical Formation of Persistent Organic Pollutants”

14:20-

Professor Dr. Jianbo Shi (RCEES, CAS, China)

"Characteristics and Trends of Mercury Pollution in Coastal Areas of China"

* Award Ceremony of Young Scientist Award will be held in the closing ceremony of the 14th ISPTS, 2017.