

## Special Lecture

- SL-1 Low-Carbon Green Growth of the Republic of Korea  
○Dr. Jong-Soo YOON, Deputy Minister, Ministry of Environment, KOREA
- SL-2 Present Status and Future Perspectives of Environmental Analysis - Next 50 Years -  
○Dr. Yasuyuki Shibata, National Institute for Environmental Studies, Japan
- SL-3 Climate Change Issues: What Vulnerabilities Should Concern East Asia?  
○Dr. Kenneth C. Crawford, Vice Administrator Korean Meteorological Administration, U.S.A

## Oral Session

### <Korea-Japan Session I >

### Source, Fate and Transport

- KJ-I-1 Formation of Polychlorinated Dibenzofurans (PCDFs) during Indirect Heating Treatment of Dioxin-contaminated Sediment  
○Masaaki Hosomi, Kimiaki Shimoda, Megumi Nishikawa, Akihiko Terada
- KJ-I-2 Distribution characteristics of PCBs during co-incineration of hazardous solid waste and waste insulation oil containing PCBs  
○Geum-Ju Song, Ki-Hyeon Kim
- KJ-I-3 Consistency of spatial distribution of contaminant concentration between model-derived and monitoring-derived data basis  
○Noryyuki Suzuki, Yoshitaka Imaizumi, Takeo Sakurai, Hiroaki Shiraishi
- KJ-I-4 Accumulation and Transition of Dioxins in Environment of Niigata Prefecture, Japan  
○Takahashi Yukio, Fukumura Kinumi
- KJ-I-5 Evaluation of Long-term Trends of Persistent Organic Pollutants Produced using a Multimedia Environmental Fate Model  
○Sung-Deuk Choi, and Frank Wania
- KJ-I-6 Vertical Distribution of Dust and Sulfate particles over Asian Dust Sources  
○Maromu Yamada, Daizhou Zhang, Yasunobu Iwasaka, Guangyu Shi, Kazuichi Hayakawa
- KJ-I-7 Chemical speciation of individual aerosol particles collected in Incheon, Korea by the combined use of quantitative ED-EPMA and ART-FT-IR imaging techniques  
Young-Chul Song, JiYeon Ryu, Md Abdul Malek, Hae-Jin Jung, ○Chul-Un Ro
- KJ-I-8 Comparison of chemical pollution in rivers of Japan and China  
○Kiwao Kadokami, Daisuke Jinya, Tomomi Iwamura, Xuechua Li, Jimgwen Chen

**< Korea-Japan Session II >**

**Risk Assessment and Management**

- KJ-II-1 Development of the framework for the aggregate exposure assessment and a case study for phthalates in Korea  
○Jong Hyeon Lee
- KJ-II-2 POPs in dietary samples from CHINA, KOREA and JAPAN- Trends of legacy & New POPs compared to POPs candidates  
○Takumi Takasuga, Nouda C, Matsukami H, Takemori H, Harada K, Fujii Y, Hitomi T, Watanabe T, Yang H-R, Moon C-S, Wang P, Koizumi A
- KJ-II-3 Screening of agonistic activities against seven hormone receptors of 91 hydroxy-PCB congeners using a recombinant yeast assay  
○Fujio Shiraishi, Ryo Kamata, Daisuke Nakajima, Hidetaka Takigami, Jun-ichi Nishikawa, Hiroaki Shiraishi
- KJ-II-4 Analysis of Physicochemical Properties for Risk Assessment of Silver Nanoparticles  
○Younghun Kim, Jinkyu Roh, Sunhee Jee, Ha Nee Umh, Kyunghee Choi, Soomin Park, Heejin Park and Jongheop Yi
- KJ-II-5 Development of removal method of POPs in soil and water using water-soluble activated carbon sheets and activated carbon tablets  
○Heesoo Eun, Koji Baba, Yasuyuki Shibata, Yuko Sasaki, Hiroaki Fukui, Emiko Iizumi
- KJ-II-6 A study of Chemical Hair Dyes on Human Intake and Release into the Environment by LC/MS  
○Shigeru Suzuki, Tamaki Ando
- KJ-II-7 The Characteristics of VOCs and carbonyl compounds emitted from wood-based furniture in Korea  
○Jung-Yun Lim, Jin-Hoi Gu, Yeon-Jung Koh, Kyung-Hee, Choi

**< Korea-Japan Session III >**

**Environmental Analysis and Monitoring**

- KJ-III-1 Contamination status of existing and emerging POPs in coastal environment of Korea  
○Hyo-Bang Moon, Hee-Gu Choi, Yong-Rock An
- KJ-III-2 Analytical improvement and survey of perfluorinated compounds  
○Kazuaki Sasaki, Norimitsu Saito, Hyeon Seo Cho, Norihisa Tatarazako, Yasuyuki Shibata
- KJ-III-3 Identification of Tetracyclines and their Degradation Products in Environmental Samples  
○Seungryul Hwang, Youngyeul Kang, Sohyun Koo, ilgyu Kim
- KJ-III-4 Long-range transboundary atmospheric transport of POPs in East Asian area  
○Takuya Kakoi, Kaoru Nakamura, Tomoko Murakami, Masahide Kawano, Muneaki Matsuda, Byung-Yoon Min, Shinji Nakayama, Masatoshi Morita

KJ-III-5 PBDD/DFs and PBDEs in samples of various workplace environment - Examination for film thickness of capillary column -

○Muneaki Matsuda, Yousuke Takechi, Miho Okimoto, Yasuhiro Kadota, Kazutoshi Nose, Masahide Kawano, Masatoshi Morita

KJ-III-6 Occurrences of Pharmaceuticals and Personal Care Products (PPCPs) from Aquatic Environmental samples

○Seung-Woon Myung

KJ-III-7 A method for simultaneous analysis of anti-influenza virus drugs in environmental water

○Ryohei Takanami, Shogo Taniguchi, Hiroaki Ozaki, Shintaro Hayashi, Ayako Hineno

### < Japan Session >

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J-I-1 Quantifying the contributions of ocean circulation and marine phytoplankton to the global fate of polychlorinated biphenyls

○Toru Kawai, Noriyuki Suzuki, Itsuki C. Handoh

J-I-2 Occurrence and Behavior of Parabens and their Chlorinated by-Products in the Aquatic Environments

○Masanori Terasaki, Yoshiharu Takemura, Satoshi Nagashima, Masakazu Makino

J-I-3 Temporal Trends of OCPs in Sediment and Paddy Soil, Their Behavior in the Lower Basin, Niigata, Japan

○Mizuki Sakai, Yukio Takahashi, Nobuyasu Seike, Takashi Otani

J-I-4 Behavior of Phorbol Esters in the process of Bio Diesel Fuel (BDF) Production

Kiyoshi Imamura, Le Tu Thang, Duong Huu Huy, ○Yasuaki Maeda, Yoo Young-Eok

J-I-5 Production mechanisms of halogenated polycyclic aromatic hydrocarbons by photochemical reaction under tidal flats conditions

○Kenshi Sankoda, Takayuki Yonehara, Kei Nomiyama, Ryota Shinohara

J-I-6 Transportation process of heavy metals in plant body

○Toyotaka Isoda, Ryouta Shinohara

J-I-7 The Study of Correlation between Chemical Structure of Hydroxy PCBs and Retention Index

○Rina Takahashi, Satoshi Nanba, Muneaki Matsuda, Masahide Kawano, Masatoshi Morita

J-I-8 Estimation of Perfluorooctane Sulfonate Concentrations in Tokyo Bay by the Release of Aqueous Film Forming Foams Containing Fluorinated Surfactant

○Yuichi Miyake, Takeshi Kobayashi, Takashi Kameya, Shigeki Masunaga, Takashi Amagai

J-II-1 Occurrence and bioaccumulation of Organic UV Filters and UV Light Stabilizers in Japanese Rivers and Lakes

○Yutaka Kameda, Kumiko Kimura, Shinji Takahashi

- J-II-2 Functional characterization of cytochrome P450 1A1·1A2·1B1 from the Baikal seal(*Pusa sibirica*)  
Keisuke Yamaguchi, Eun-Young Kim, Akira Kubota, ○Hisato Iwata
- J-II-3 Study on exhaustive analysis of organohalogens in environmental and biological samples by GCxGC-MS/MS  
○Shunji Hashimoto, Akihiro Fushimi, Yoshikatsu Takazawa, Kiyoshi Tanabe, Yasuyuki Shibata
- J-II-4 Hydroxylated polychlorinated biphenyls (OH-PCBs) in the blood of fishes collected in the sea off Japan.  
○Satoko Horiuchi, Yukiko Uchiyama, Kei Nomiya, Ryota Shinohara
- J-II-5 Occurrence of Pharmaceuticals in Composts Produced from Sewage Sludge or Livestock Wastes and Uptake of Pharmaceuticals by *Pisum sativum* L.  
○Rumi Tanoue, Kei Nomiya, Ryota Shinohara
- J-II-6 Reduction Effectiveness of Unregulated Emission and Related Toxicity by Aftertreatment Device for Light-duty Diesel Engine  
○Keiko Shibata, Nobuhiro Yanagisawa, Kenji Enya, Kaoru Satou, Kazuhiko Sakamoto
- J-II-7 Isolation of novel dieldrin- and endrin-degrading bacteria from soil using 1,2-epoxycyclohexane as a structural analog of both compounds  
○Emiko Matsumoto, Youhei Kawanaka, Sun-Ja Yun
- J-III-1 Comprehensive screening and identification of trace organohalogen compounds in environmental matrices using GC-HRTOFMS  
○Takumi Takasuga, Hidenori Matsukami, Hiroaki Takemori
- J-III-2 Analysis of benzotriazole ultraviolet stabilizers in fishes from the Philippines  
○Joon-Woo Kim, Tomohiko Isobe, Ramaswamy Babu Rajendran, Kwang-Hyeon Chang, Atsuko Amano, Shinsuke Tanabe
- J-III-3 The PCBs analysis of the iwasted oil by solventdilution/gas chromatogram/high resolution mass analsis method actually  
○Takeshi Enomoto, Mika Kobayashi, Yukinori Yahata, Kazuo Tanaka
- J-III-4 Evaluation of AHMT method for Automatization in Formaldehyde Determination  
○Takeshi Ohchi, Toyohiko Nezu
- J-III-5 Automatic Analysis of Total Phosphorus in Water by Flow Injection Analysis  
○Takeshi Kakihara, Toyohiko Nezu
- J-III-6 Introduction of a Rapid Analysis Method for PCBs in Insulating Oils  
○Jangho Hong, Takahiro Ishizaka, Tomohumi Takahashi, Hideki Toita, Byungyoon Min, Katsuhisa Honda

< Korea Session >

- K-I-1 Temporal and spatial variation of atmospheric organochlorine pesticides at Korea background sites  
○Guang-Zhu Jin, Su-Yeong Lee, Sang-Min Kim, Woo-Il Kim, Jin-Soo Park and Seung-Ryul Hwang
- K-I-2 Characterization of Asian Dust particles collected in Chuncheon by the combined use of low-Z particle EPMA and ATR-FT-IR imaging techniques  
○Young-Chul Song, Chul-Un Ro
- K-I-3 A study on the PAHs, organotin compounds and heavy metal pollution in surface sediments of Yeosu New Harbor  
○G. O. Cho, H. J. Kim, J. H. Yu, D. W. Kim, H. S. Cho
- K-I-4 Suspended particle solids, sinking flux of POC · PON from sediment and sediment environment in Gamak and Deukryang Bay  
○D. W. KIM, G. O. Cho, T. B. Choi, H. S. Jung, W. C. Lee, H. S. Cho
- K-I-5 Tremolite Content of Talc by X-Ray Diffraction  
○Beom-Goo Hwang, Il-Sik Sun · Sang-Oh Han · Jae-Hyeong Lee · Yun-Ho, Choi, Jaewon Choi, Byungseok Yoon, Yun.S. Kim, Kyeonghee Lee, Hwajeong Lee, Heesoo Eun
- K-I-6 Performance test of tablet absorber for water quality refinement: III. Lab scale applications of waste water and mine-leaching  
○Jaewon Choi, Byungseok Yoon, Yun.S. Kim, Kyeonghee Lee, Hwajeong Lee, Heesoo Eun
- K-I-7 Continuous Automatic measurement of Suspended Solids on the Review of Reference Material  
○Yang-ki An, Jong-hwan Park, Gyeong-ki Hong, Hee-soo Jang, Sung-hun Choe, Jong-woo Choi
- K-I-8 Development of Multiple Analysis Method of Pesticides by LC/MS/MS System  
○Seok-Yong Kim, Choong-Hee Jo, Min-Ki Hong, Youn-Seok Kang and Thomas D. Lee
- K-II-1 Measurement of VOCs Exposure on the Children's Products  
○Woo-Il Kim, Young-Yeul Kang, Jin-Won Chun, Sun-Min Lee, Ki-Tae Sim and Kwang-Seol Seok
- K-II-2 Combination effects of nanoparticles and estrogenic chemicals on yeast two-hybrid systems  
○Byoung-cheun Lee, Cuong Ngoc Duong, Sujin Kim, Junheon Yoon and Pilje Kim
- K-II-3 Monitoring of Pharmaceutical and Personal Care Products in the Water Environment of Ulsan  
○Hye-Ok Kwon, Won-Jin Sim, Jeong-Eun Oh, and Sung-Deuk Choi
- K-II-4 Monitoring of Polybrominated diphenyl ethers (PBDEs) in Blood Serum from Neonates-Mother Pair Samples, Korea  
○Un-Jung Kim, Yong-Hee Hong, Dong-Hwan Lee and Jeong-Eun Oh
- K-II-5 Plasmonic Nanostructure-based Novel Detection Method for Arsenic Ion  
○ Surin Hong, Suseung Lee, Young In Yang, Hyeon Don Song, and Jongheop Yi

- K-II-6 Development of Analytical Method for Persistent Organic Pollutants (POPs) in Water using TDU-GC/MS  
○Yun. S. Kim, Jaewon Choi, Gyung-Hee Lee and Yong-Yeon Kim
- K-II-7 Determination of methyl mercury in water and whole blood by headspace GC-MS  
○Seong Eun Jeong, Hyun Mi Chun, Seungki Kim, Heesoo Pyo
- K-III-1 Congener patterns of PCDDs/PCDFs in the exhaust gas from diesel automobiles  
○Keum-Jung Park, Hui-Chang Han, Dong-chun Kim, Jung-Ho Choi, Chul-Ho Bae, Lee dong-soo
- K-III-2 A study on the assessments of the sanitation safety standards for the water supply materials  
○Byungseok Yoon, Kyungjin Shin, Daekeun Seo, Kyunghee Lee, Yongyeon Kim
- K-III-3 Assessment of the comparability related with total petroleum hydrocarbon content in soil between KS I ISO standard and soil contamination analysis method enacted by Korean Ministry of Environment  
○Goon-taek Lee, In-ho Jung, Yong-hoon Kim, Won Seok Lee, Ji In Kim, Ju Hee Kim
- K-III-4 Deliquescence and efflorescence of mixed NaCl/NaNO<sub>3</sub> aerosol particles  
○Shila Maskey, Hykyeng Kim, Chul-Un Ro
- QAQC-1 Consistency in Terminology for Quality Assurance and Quality Control  
○Tea-Kee Hong
- QAQC-2 Practical Guidance for Method Validation in Laboratory Analysis for Environmental Samples  
○Jae-Lyeong Kim
- QAQC-3 Practical Guidance for Sample Collection, Measurement, and Interpretation in Environmental Analysis  
○Hyunook Kim

## Poster Session

### <Japan Session >

- JP-1 New suction/cleaning technique using photocatalyst cleaning fluid and continuation water/oil separation for the waste transformer contaminated with a low level of PCBs  
○Hideaki Miyata, Toshio Onuma, Yuichi Sugiura, Hiromichi Abe, Hiroshi Taoda
- JP-2 Preliminary Risk Assessment of Organic UV Filters and UV Light Stabilizers in Coral Reef Ecosystems at Okinawa, Japan  
○Yutaka Kameda, Yutaka Tashiro, Kumiko Kimura
- JP-3 Rapid analysis of dioxins by heating multilayer silicagel column/activated carbon column  
○Yoshie Miki, Yuko Ueda, Katsuhisa Honda
- JP-4 Comparison Study about a Japanese Official Rapid Analysis Method and a Korean Official Analysis Method for PCBs in Insulating Oils  
○Jangho Hong, Takahiro Ishizaka, Tomohumi Takahashi, Hideki Toita, Byungyoon Min, Katsuhisa Honda
- JP-5 Transformation of disphenylarsinic acid and related compounds in groundwater - Production of thiol-containing compounds -  
○Kunichika Nakamiya, Mitsuha Yoshikane, Tomoko Hosoya, Yasuyuki Shibata
- JP-6 Decomposition of Polychlorinated Biphenyls Using a Metallic Calcium/Calcium Oxide Dispersion Mixture  
○Yoshiharu Mitoma, Hideaki Miyata
- JP-7 A preliminary study on the analysis of chemicals in blood/urine samples by LC-TOF  
○Mitsuha Yoshikane, Yoshikatsu Takazawa, Kiyoshi Tanabe, Yasuyuki Shibata
- JP-8 Analysis of Short Chain Chlorinated Paraffins in Ambient air from Japan  
Hidenori Matsukami, Chihiro Nouda, Takumi Takasuga
- JP-9 Simple and comprehensive analytical method for simultaneous determination of semi-volatile organic pollutants using GC-MS and automated identification and quantification database(AIQS-DB)  
○Daisuke Jinya, Tomomi Iwamura, Kiwao Kadokami
- JP-10 Accumulation levels of polychlorinated biphenyls, polybrominated diphenyl ethers and hexabromocyclododecanes in crucian carps in Japan  
○Tomomi Iwamura, Yoko Kajiwara, Daisuke Jinya, Kiwao Kadokami
- JP-11 Monitoring of MVOC(Microbial Volatile Organic Compounds) under the Compost Fermentation Process  
○Daisuke Nakajima, Shiho Kageyama, Shogo Sakita, Yoshiki Onji, Fujio Shiraishi, Sumio Goto, Kazuyuki Nishimura

- JP-12 Mutagenicity and Genotoxicity of Total Suspended Particulates simultaneously collected in Summer and Winter at 11 sites in Japan  
○Shiho Kageyama, Daisuke Nakajima, Ryo Kamata, Fujio Shiraishi, Shin-ichiro Nagahora, Takashi Sakuma, Eiji Watanabe, Kimiyo Kumagai, Yoshiko Imazu, Fumikazu Ikemori, Atsushi Yoshida, Yasuyuki Okayama, Norihito Chaya, Hirofumi Yajima, Qingyue Wang, Sumio Goto, Hiroaki Shiraishi, Noriyuki Suzuki
- JP-13 Distribution of mercury and other trace elements in the ecosystem of Yambaru area, northern part of Okinawa Island, Japan  
○Izumi Watanabe
- JP-14 Characterization of sources of lead in contaminated soils and removal of lead by electrokinetic remediation  
○Yasuhisa Ohkawa, Shunitz Tanaka, Kazuo Jin, Naoya Fujiwara
- JP-15 Concentration of Perfluorinated Organic Compounds of Tap Water in Japan  
○Norimitsu Saito, Kazuaki Sasaki, Hyeon Sei Cho, Norihisa Tatarazako, Yasuyuki Shibata
- JP-16 Decomposition of bisphenols(BPs) in water using of photo catalytic silicagel treatment  
○Masahiro Asano, Satoshi Uchida
- JP-17 Analysis of perfluorinated compounds in environmental water samples by LC/MS  
○Kazuyuki Sugimoto, Keiji Ochi, Muneaki Matsuda, Masahide Kawano, Masatoshi Morita
- JP-18 Investigation on ethanol production from woody biomass, Part1 Organosolvlysis for saccharification of woody material  
○Tatsuya Nishiyama, Masayoshi Fukuoka, Akihiro Hideno, Ayato Kawashima, Hidetaka Morita, Masahide Kawano, Katsuhisa Honda, Masatoshi Morita
- JP-19 The quantity of pharmaceuticals products in the river water, a sewage and tap water in Niigata City  
○Shouta Onozeki, Yukio Takahashi
- JP-20 A Study on Pesticides in Paddy Fields and River in Niigata Prefecture  
○Naoto Ishizuka, Yusuke Goto, Takehiko Sato, Yukio Takahashi
- JP-21 Research on solar and hydrogen peroxide decomposition for dioxins  
○Osamu Suzuki, Yukio Takahashi
- JP-22 Field Survey on the Phthalates in House Dust and Residential Air  
○Toshiko Tanaka-Kagawa, Yoko Furukawa, Hideto Jinno, Tetsuji Nishimura
- JP-23 Screening of Flame Retardants in Textiles by DART-TOFMS  
○Hideto Jinno, Yoko Furukawa, Toshiko Tanaka-Kagawa, Tetsuji Nishimura
- JP-24 Contribution of ultrafine particles to lung deposition of particle-bound mutagens in the atmosphere  
○Youhei Kawanaka, Emiko Matsumoto, Sun-Ja Yun

- JP-25 Investigation on ethanol production from woody biomass, Part2 Engineering and a system for Zero-emission  
○Masatoshi Morita, Tatsuya Nishiyama, Masayoshi Fukuoka, Akihiro Hiden, Ayato Kawashima, Hidetaka Morita, Masahide Kawano, Katsuhisa Honda
- JP-26 PBDD/DFs and PBDEs accumulation characteristics in avian wildlife collected at Matsuyama airport  
○Chika Harada, Yousuke Takechi, Miho Okimoto, Masahide Kawano, Muneaki Matsuda, Masatoshi Morita
- JP-27 Retention behavior of polar pesticides in hydrophilic interaction chromatography  
○Miho Shinomiya, Ryoji Iwakiri
- JP-28 Contamination and bioaccumulation of organophosphorus flame retardants and plasticizers in marine fishes from the Philippines  
○Joon-Woo Kim, Tomohiko Isobe, Ramaswamy Babu Rajendran, Kwang-Hyeon Chang, Atsuko Amano, Shinsuke Tanabe
- JP-29 Spatial Distribution and Partitioning of Perfluorooctane Sulfonate (PFOS) and Perfluorooctanoate (PFOA) in Tokyo Bay, Japan  
Takeo Sakurai, Shigeko Serizawa, Tomohiko Isobe, Jun Kobayashi, Keita Kodama, Gen Kume, Jeong-Hoon Lee, Hideaki Maki, Yoshitaka Imaizumi, ○Noriyuki Suzuki, Toshihiro Horiguchi
- JP-30 Uptake via the Respiratory Surface and Depuration Kinetics of Persistent Organic Pollutants in a Marine Benthic Fish  
○Jun Kobayashi, Kyoko Kinoshita, Nozomi Ito, Takeo Sakurai, Yoshitaka Imaizumi, Noriyuki Suzuki
- JP-31 Personal Exposure to gaseous polycyclic aromatic hydrocarbons in Shizuoka, Japan  
○Takashi Amagai, Takeshi Ohura, Yuichi Miyake
- JP-32 Simple analysis of terpene by the passive sampler and its application to personal exposure survey in Shizuoka, Japan  
○Sun Huibin, Wang ning, Yuichi Miyake, Takashi Amagai
- JP-33 Analysis of VOCs and 1,4-Dioxane by Headspace with Chemical Trap  
○Takeshi Enomoto, Kazuo Tanaka, Mika Kobayashi, Takao Fukutome
- JP-34 Monitoring of Contamination by Non-PBDE Brominated Flame Retardants in Asian Coastal Waters Using Mussels as Bioindicators  
○Tomohiko Isobe, Shohei P.Ogawa, Karri Ramu, Shin Takahashi,, Annamalai Subramanian, Shinsuke Tanabe
- JP-35 External validation of ecotoxicity prediction QSAR system, KAshinhou Tool for Ecotoxicity (KATE)  
○K.Hasunuma, A. Furuhashi, Y. Aoki, Y. Sugaya, Y. Yoshioka, H. Shiraishi

- JP-36 A measurement method for personal exposure and indoor/outdoor concentration of PM2.5  
○Wang Ning, Kentaro Kurabayashi, Yuichi Miyake, Takashi Amagai
- JP-37 An Analytical Method for Polycyclic Aromatic Hydrocarbons (PAHs) and their Derivatives in Atmosphere using GC-NCI/MS/MS  
○Liang Tang, Yuichi Miyake, Takashi Amagai
- JP-38 Behavior of Toxic Chemicals Generated by Mechanochemical Reaction of Plastics  
○Masaaki Hosomi, Ayuko Fujii, Megumi Nishikawa, Akihiko Terada
- JP-39 Development of the ecotoxicity test methods for marine fish and crustaceans  
-For the Water Quality Criteria for protecting aquatic lives-  
○Kanae Matsuzaki, Yoshio Sugaya
- JP-40 Characteristics of Atmospheric Aerosol at Ullengdo, Korea in 2009  
○Chun-Sang Hong, Kil-Jong Seo, Sung-Hwa Park, Woon-Seon Jung, Dong-In Lee, Yasunobu Iwasaka, Kazuichi Hayakawa
- JP-41 Determination and Comparative Studies of DDT and Related Compounds Levels of Human Cord Blood Obtained in Nepal  
Takashi Eriguchi, Madoka Takahashi, Hezhe Ji, Masahiro Umezaki, Chiho Watanabe, Koji Arizono, ○Minoru Koga
- JP-42 PCBs separation from insulating oil by cyclodextrin polymers  
Toshiyuki Kida, Kazuhiro Miyawaki, Yuki Noguchi, Eiichi Kato, ○ Takeshi Nakano, Mitsuru Akashi
- JP-43 Source estimation of PCB  
○Takeshi Nakano

< Korea Session >

- KP-1 Enhanced Fenton oxidation of Soil TPH by Addition of Chelating Agents.  
○Hoon Roh, Jae-kyu Yang and Yoon-young Chang
- KP-2 Effect of Chelating Agents on Stabilization of Hydrogen Peroxide in Soil.  
○Hoon Roh, Jae-kyu Yang and Yoon-young Chang
- KP-3 A study on ultimate Aerobic biodegradability evaluation system development of organic compounds  
○Sun-Bok Jang, Jae-Sang Ryu, Sang-Oh Han
- KP-4 Inorganic carbon remove method in TOC of seawater monitoring  
○Jae-lyeong Kim, Seok-ki Lee, Hyun-ook Kim, Joo-dea Byun
- KP-5 A Study on the Development of Natural Pigments of W/O type by Sol-Gel Method  
○Dong Hoe Cho, Kyoung Ho Jun, Seung woo Yeon, Woo Sung Jang, Mi Sook Jeong, Hyun Ju Park
- KP-6 The effect of collecting substrates on hygroscopic properties of single particles  
○Hyo-Jin Eom, Hae-Jin Jung, Mi-Jung Lee and Chul-Un Ro
- KP-7 Characterization and Analytical Method of Bamboo Salt  
○Byung-kyu Y, Sun-Il Kim, Jeong-Il Lee, Mu-Sang Lyu, Yle-Shik Sun, Ki-Sung Cho, and Jae-Yang Lee
- KP-8 Total Organic Carbon Analysis of Using Quality System  
○Yunhee Lee, Yujeong Huh, Minkyu Kim, Jinhwan Park, Dongjin Hwang, Byungjin Lim
- KP-9 Performance evaluation of a on-line oil detector in a way of fluorescence analysis  
○Youn-Mi Lee, Su-Ok Hwang, Eun-Jae Jeong, Hyang-Min Park and Chang-Su Shin
- KP-10 PCDD/Fs and PBDEs in Liver of Piglet According to Virus Diseases  
○Jeoung-Hwa Shin, Chan-hee Chae
- KP-11 Petroleum Mineralization by Co-Culture of Petroleum-Degrading Bacterial Community and Biosurfactant-Producing Bacterium  
○Doo Hyun Park, Bo young Jeon, Il Lae Jung
- KP-12 Concentration Comparison of TSP Aerosol Elements According to Inflow Pathway of Air Mass  
○Hee-Jung Ko, Soon-Bong Lee, Haeng-Bum Kim, Hye-Rim Kang, Seung-Hee Shin, Yong-Soo Oh, Chang-Hee Kang
- KP-13 Initial Risk Assessment on Phosphoric acid for Human Health  
○Hee-young Ro, Eunju Kim, Ig-chun Eom, Kyunghee Choi
- KP-14 Initial Risk Assessment of Tricalcium phosphate in Environment  
○Eunju Kim, Sunkyong Yoo, Yong-wook Baek, Ig-chun Eom, Kyunghee Choi

- KP-15 Dissolved uranium concentrations of urban artificial lake and drinking water treatment plant (DWTPs) raw water  
○Youn-Joo An, Youg-Wook Beak, Kyung Hee Ahn, Ju-Hyun Park
- KP-16 The Study for Improving the Proficiency Test related to the Metal Analysis in water  
○Bo-kyong Kim, Eun-Mi Kim, Ji-Young Kim, Hyo-Jung Ju, In-Young Jeong
- KP-17 Study of Confidence Evaluation for T-N and T-P Analysis in Water with Interlaboratory Proficiency Test  
○Yun-Duck Kim, Kyungjin Shin · You-Jin Yim · Eun Jeong Oh · Suhyun Ko
- KP-18 Freeze and Thaw Stability Test of Lead, Cadmium, Manganese in Blood  
○Hee-Jin Park, Kyung-Hwa Park, Tack-Shin Kang, Ho-Sub Im
- KP-19 Hygroscopic properties of NaNO<sub>3</sub> powder and generated NaNO<sub>3</sub> aerosol particles  
○Mi-Jung Lee, Hae-Jin Jung, Hyo-Jin Eom, Chul-Un Ro
- KP-20 Analysis of Removal of Fe(II) in Groundwater by Iron and Manganese Coated Sand  
○Mok-ryun Yu, Seong-jin Jeon, Jae-kyu Yang, Yoon-young Chang
- KP-21 Application of the multi-functionality of Iron and Manganese Coated Sand in the Treatment of Mn(II)  
○Mok-ryun Yu, Seong-jin Jeon, Jae-kyu Yang, Yoon-young Chang
- KP-22 Evaluation of Brominated flame retardants in wastewater sludge in Korea  
○In-kyu Hwang, Hee-hyung Kang, In-seok Lee, Jeong-eun Oh
- KP-23 Spatial distribution of brominated flame retardants in sediments of the Nakdong River in Korea  
○Hee-hyung Kang, In-seok Lee, Su-jin Kim, Jun-heon Yoon, Kyung-hee Choi, Kyoung-soo Kim and Jeong-eun Oh
- KP-24 A study on the best approach of ECOSAR use to predict aquatic toxicity of organic chemicals  
○Hyun-Kyung Kim, Ji-Young Kim, Hyun-Kyung Cha, Mi-Young Park, Chang-Ho Sung, Pil-Je Kim
- KP-25 The Assessment Filters of a Purifier system on the Removal of 1,4-Dioxane  
○Saena Choi, Hang-Ji Ok · Sungwon Hong · Kang-Jin Lee
- KP-26 Monitoring of Polybrominated Diphenyl Ethers in food Collected from Ansan, Korea  
○Jijeoung Ryu, Jeounghwa Shin, Seunghee An, Jungju Seo
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