

# Oral Presentation

**Nov. 24 (Mon), 2014**

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A 1-1-1	Invited	Innovative Sanitation Technology for Control of Water Pollution and Health Problems in Developing Countries	Chongrak POLPRASERT <sup>1</sup> <sup>1</sup> Faculty of Engineering, Thammasat Univ., Thailand
A 1-1-2	131	Bioconversion of 3-methylcatechol from Waste Toluene in a Two-Liquid Phase System by <i>Pseudomonas Putida</i> Tode1	Ajiraporn KONGPOL <sup>1</sup> , Thunyarat PONGTHARANGKUL <sup>2</sup> , Junichi KATO <sup>3</sup> , Takahisa TAJIMA <sup>3</sup> , Alisa S. VANGNAI <sup>1,4*</sup> <sup>1</sup> Faculty of Science, Chulalongkorn Univ., Bangkok, Thailand; <sup>2</sup> Mahidol Univ., Bangkok, Thailand; <sup>3</sup> Graduate School of Advanced Sciences of Matter, Hiroshima Univ., Hiroshima, Japan; <sup>4</sup> Center of Excellence on Hazardous Substance Management, Chulalongkorn Univ., Bangkok, Thailand
A 1-1-3	M-6	Comparison of Bacterial Communities Between Membrane Bioreactors and Conventional Activated Sludge Process in Treating Municipal Wastewater	Suda ITTISUPORN RAT <sup>1*</sup> , Tomohiro TOBINO <sup>2</sup> , Kazuo YAMAMOTO <sup>2,3</sup> <sup>1</sup> Environmental Research and Training Centre, Pathumthani, Thailand; <sup>2</sup> Environmental Science Center, The Univ. of Tokyo, Tokyo, Japan; <sup>3</sup> Asian Institute of Technology, Pathumthani, Thailand
A 1-1-4	114	Toxicity Assessment of Hospital Wastewater in Different Treatment Process	Nutta SANGNARIN <sup>1*</sup> , Wilai CHIEMCH AISRI <sup>1</sup> , Toru WATANABE <sup>2</sup> , Chart CHIEMCH AISRI <sup>1</sup> <sup>1</sup> Faculty of Engineering, Kasetsart Univ., Bangkok, Thailand; <sup>2</sup> Faculty of Agriculture, Yamagata Univ., Japan
A 1-1-5	123	Dissolved Organic Matters in Shallow Well Water nearby Abandoned Landfill Site	Kanlayanee YIMYAM <sup>1</sup> , Aunnop WONGRUENG <sup>1*</sup> , Pharkphum RAKRUAM <sup>1</sup> , Prattakorn SITTISOM <sup>1</sup> , Suraphong WATTANACHIRA <sup>1</sup> <sup>1</sup> Faculty of Engineering, Chiang Mai Univ., Thailand
A 1-2-1	124	DBPs Precursors in Raw Water Used for Water Supply Production in Chiang Mai, Thailand	Chaipan WUDTHIGARN <sup>1</sup> , Aunnop WONGRUENG <sup>1</sup> , Pharkphum RAKRUAM <sup>1*</sup> , Prattakorn SITTISOM <sup>1</sup> , Suraphong WATTANACHIRA <sup>1</sup> <sup>1</sup> Faculty of Engineering, Chiang Mai Univ., Thailand
A 1-2-2	M-10	The Characteristic of Wastewater from Household Thai silk Production	Amornpon CHANGSUPHAN <sup>1</sup> , Tepwitoon THONGSRI <sup>1</sup> , Surat PETCHKASEAM <sup>1</sup> , Waraporn KITCHAINUKUL <sup>1</sup> , Chanin LERTKANAVANICHAKUL <sup>1</sup> , Natawan TIPVISET <sup>1</sup> , Wasan TIRAPITAYANON <sup>1</sup> , Kanya MUANGKAEW <sup>1</sup> , Nimit PALEE, Jirachatr SRISAEN <sup>1</sup> <sup>1</sup> Dept. of Science Service, Bangkok, Thailand
A 1-2-3	M-15	Effect of Mixed Liquor pH on Removal and Transformation of Dissolved Organic Matter (DOM) During the Treatment of Landfill Leachate in Membrane Bioreactor	Samunya SANGUANPAK <sup>1*</sup> , Chart CHIEMCH AISRI <sup>1</sup> , Wilai CHIEMCH AISRI <sup>1</sup> , Kazuo YAMAMOTO <sup>2</sup> <sup>1</sup> Faculty of Engineering, Kasetsart Univ., Bangkok, Thailand; <sup>2</sup> Environmental Science Center, Univ. of Tokyo, Japan
A 1-3-1	64	International Pellet Watch : Global Monitoring of Persistent Organic Pollutants by Using Beached Micro Plastics	Hideshige TAKADA <sup>1*</sup> , Geok Bee Yeo <sup>1</sup> , Junki HOSODA <sup>1</sup> , Yuu SAITO <sup>1</sup> , Maki ITO <sup>1</sup> , Rei YAMASHITA <sup>1</sup> <sup>1</sup> Tokyo Univ. of Agriculture and Technology, Japan
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A 1-3-3	109	Distribution of Organochlorine Pesticides in the Japan Sea in 2014	Yoshikatsu TAKAZAWA <sup>1*</sup> , Yuki HAGA <sup>2</sup> , Chisato MATSUMURA <sup>2</sup> , Masayuki KUNUGI <sup>3</sup> , Takafumi ARAMAKI <sup>1</sup> <sup>1</sup> National Institute for Environmental Studies, Japan; <sup>2</sup> Hyogo Prefectural Institute of Environmental Sciences, Japan; <sup>3</sup> Tokyo Metropolitan Geriatric Hospital and Institute of Gerontology, Japan
B 1-1-1	20	Microbial Community Survey in Water and Sediment of Ping Watershed along Three Seasons	Juthatip YOoyen <sup>1*</sup> , Vipa HONGTAKOL <sup>2</sup> , Sompong O-THONG <sup>3</sup> <sup>1</sup> Environmental Research and Training Centre, Thailand; <sup>2</sup> Faculty of Science Kasetsart Univ., Thailand; <sup>3</sup> Faculty of Science, Thailand
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B 1-1-4	90	Automobiles, Railways and Aircrafts as Emission Sources of Harmful Elements	Hirokazu OZAKI <sup>1</sup> , Hiroyuki TAKAHASHI <sup>1</sup> , Chie WATAI <sup>1</sup> , Yuko OHNO <sup>1</sup> , Hiroshi ICHISE <sup>1</sup> , Katsuji KUNO <sup>1</sup> , Izumi WATANABE <sup>1</sup> <sup>1</sup> Tokyo Univ. of Agriculture and Technology, Japan
B 1-2-1	M-1	Effects of Ethanol – Gasoline Blends on Exhaust Emissions from Motorcycles in Thailand	Ittipol PAWARMART <sup>1*</sup> , Therdsak PETBLENGSRI <sup>2</sup> , Nuch KUHASAWAN <sup>1</sup> <sup>1</sup> Environmental Quality and Laboratory Division, Pollution Control Department, Thailand; <sup>2</sup> Automotive Air Pollution Division, Pollution Control Department, Thailand
B 1-2-2	M-13	Spatial Distribution and Sources of Formaldehyde and Acetaldehyde in Bangkok Ambient Air	Daisy MORKNOY <sup>1</sup> , Hathairatana GARIVAIT <sup>1</sup> , Aduldej PATPAI <sup>1</sup> , Suteera BOONYAPITAKS, Onjeereeya CHANGLEK <sup>1</sup> <sup>1</sup> Environmental Research and Training Center, Thailand
B 1-2-3	M-7	Monitoring of NO <sub>2</sub> Personal Exposure among Flower Vendors near Waroros Market, Chiang Mai in 2012	Klinpratoom PANYAPING <sup>1*</sup> , Chonnipa SANWISIT <sup>1</sup> , Wittaya SAIJAI <sup>1</sup> , Sorawan KORNSAENG <sup>1</sup> <sup>1</sup> Faculty of Engineering, Rajamangala Univ. of Technology Lanna, Thailand
B 1-3-1	M-8	Measurement and Correlation Analysis of NO <sub>2</sub> , NO, and NO <sub>x</sub> at TWO High Levels in Chiang Mai	Klinpratoom PANYAPING <sup>1</sup> <sup>1</sup> Faculty of Engineering, Rajamangala Univ. of Technology Lanna, Thailand
B 1-3-2	113	Carbon Emissions from Deforestation in Dry Dipterocarp Forest, Central Myanmar	Yu Ya AYE <sup>2*</sup> , Savent PAMPASIT <sup>1</sup> , Chanin UMPONSTIRA <sup>1</sup> , Kanita THANACHAROENCHANAPHAS <sup>1</sup> <sup>1</sup> Faculty of Agriculture, Natural Resources and Environment, Naresuan Univ., Thailand; <sup>2</sup> Forest Research Institute, Ministry of Environmental Conservation and Forestry, Myanmar
B 1-3-3	M-5	Contribution of Air Toxics to Ozone Formation in Bangkok Urban Air	Hathairatana GARIVAIT <sup>1</sup> , Prapat PONGKIATKUL <sup>2</sup> , Daisy MORKNOY <sup>1</sup> , Plernpis PONGPRAYOON <sup>1</sup> , Onjeereeya CHANGLEK <sup>1</sup> , Aduldej PATPAI <sup>1</sup> , Suteera BOONYAPITAKS <sup>1</sup> , Rung-rawee KONGSONG <sup>1</sup> , Nirun PAIMYAI <sup>1</sup> Environmental Research and Training Center, Thailand; <sup>2</sup> Faculty of Engineering, King Mongkut's Univ. of technology, Thailand.

C 1-1-1	45	Separation of PCB Isomers #52 and #69 in Kanechlor and Fish Oil Samples Using GC/MS/ECD	Hiroshi TAKAKUWA <sup>1</sup> , Sadao NAKAMURA <sup>1</sup> Reiko MATSUMOTO <sup>2</sup> , Masahide KAWANO <sup>2</sup> , Ichiro TAKEUCHI <sup>2</sup> <sup>1</sup> Agilent Technologies, Japan; <sup>2</sup> Faculty of Agriculture, Ehime Univ., Japan
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C 1-2-2	5	Nitro-PAH Product Formation from Heterogeneous Reactions of PAHs with NO <sub>2</sub> , NO <sub>3</sub> /N <sub>2</sub> O <sub>5</sub> , and OH Radicals : Prediction, Laboratory Studies and Mutagenicity	Narumol JARIYASOPIT <sup>1*</sup> , Melissa MC INTOSH <sup>1</sup> , Kathryn ZIMMERMANN <sup>2</sup> , Janet AREY <sup>2</sup> , Roger ATKINSON <sup>2</sup> , Paul Ha-Yeon CHEONG <sup>1</sup> , Rich G. CARTER <sup>1</sup> , Tian-Wei Yu <sup>3</sup> , Roderick H. DASHWOOD <sup>3</sup> , Staci L.M. SIMONICH <sup>1,4</sup> <sup>1</sup> Dept. of Chemistry, Oregon State Univ., USA; <sup>2</sup> Air Pollution Research Center, Univ. of California, USA; <sup>3</sup> Institute of Biosciences & Technology, Texas A&M Health Science Center, USA; <sup>4</sup> Environmental and Molecular Toxicology, Oregon State Univ., Corvallis, USA.
C 1-2-3	60	Assessment of Phthalate Esters in Aquatic Environment of Pradoo Bay, Rayong Industrial Area, Eastern Thailand	Fairda MALEM <sup>1*</sup> , Peerapong SOONTHONDECHA <sup>1</sup> , Patchara KHAWMODJOD <sup>2</sup> , Orapin CHIENHAVORN <sup>2</sup> <sup>1</sup> Environmental Research and Training Center, Thailand; <sup>2</sup> Faculty of Science, Kasetsart Univ., Thailand
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C 1-3-3	1	Electrochemical Reduction of Carbon-Halogen Bonds Using Voltammetric Techniques	M.V.Sangaranarayanan <sup>1</sup> <sup>1</sup> Dept. of Chemistry, Indian Institute of Technology Madras, India
E 1-1-1	7	Evaluation of the Risk Communication about Radiation Exposure to Human Body held after Great East Japan Earthquake Disaster and Consequent Nuclear Power Plant Accident	Yoshitoku YOSHIDA <sup>1*</sup> , Yasuko YOSHIDA <sup>2</sup> <sup>1</sup> Graduate School of Medicine, Nagoya Univ., Japan; <sup>2</sup> Graduate School of Pharmaceutical Sciences, Nagoya City Univ., Japan
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A 2-1-2	112	Public Participation in Health and Environment Protection System of E-waste Recycling Community in Khok Sa-At sub-district, Thailand	Pornnapa SUTAWONG <sup>1</sup> , Det WATTANACHAIYINGCHAROEN <sup>1</sup> , Piyamat PATTHARIN <sup>1</sup> , Manu SINGRUANG <sup>1</sup> , Mayuret HEMAKHOM <sup>1</sup> , Tamonwan SANGRUANG <sup>1</sup> <sup>1</sup> Faculty of Agriculture, Natural Resources and Environment, Naresuan Univ., Thailand
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A 2-2-1	78	Dioxins and Nonortho Polychlorinated Biphenyl Concentrations in Breast Milk of Vietnamese Nursing Mothers Living in the Largest Hot Spot of Dioxin Contamination	Nghi Ngoc TRAN <sup>1,2*</sup> , Manh Dung HO <sup>3</sup> , Tai The PHAM <sup>4</sup> , Muneko NISHIJO <sup>1</sup> , Vu Huy Anh PHAN <sup>5</sup> , Nguyen Thanh NGO <sup>5</sup> , Hung Xuan NGUYEN <sup>6</sup> , Hoan Minh HUYNH <sup>7</sup> , Hai Cao HUYNH <sup>7</sup> , Hideaki NAKAGAWA <sup>1</sup> , Teruhiko KIDO <sup>3</sup> , Hisao NISHIJO <sup>8</sup> <sup>1</sup> Ministry of Health, Government of Vietnam, Vietnam; <sup>2</sup> Dept. of Public Health, Kanazawa Medical Univ., Japan; <sup>3</sup> Division of Health Sciences, Graduate School of Medical Science, Kanazawa Univ., Japan; <sup>4</sup> Biomedical and Pharmaceutical Research Center, Vietnamese Military Medical Univ., Viet Nam; <sup>5</sup> Dong Nai General Hospital, Vietnam; <sup>6</sup> Division of Health, Bien Hoa City Government, Vietnam; <sup>7</sup> Dept. of Health, Dong Nai Prefecture Government, Vietnam; <sup>8</sup> System Emotional Science, Graduate School of Medicine, Univ. of Toyama, Japan
A 2-2-2	93	Dioxin Effects on Infant Development from Newborn until 3 Years of Age	Tai The PHAM <sup>1*</sup> , Muneko NISHIJO <sup>2</sup> , Hideaki NAKAGAWA <sup>2</sup> , Shoko MARUZENI <sup>2</sup> , Thi Nguyet Anh NGUYEN <sup>2</sup> , Luong Van HOANG <sup>1</sup> , Anh Hai TRAN <sup>1</sup> , Nghi Ngoc TRAN <sup>2</sup> , Yuko MORIKAWA <sup>2</sup> , Teruhiko KIDO <sup>3</sup> , Hisao NISHIJO <sup>4</sup> <sup>1</sup> Vietnam Military Medical Univ., Vietnam; <sup>2</sup> Kanazawa Medical Univ., Japan; <sup>3</sup> Kanazawa Univ., Japan; <sup>4</sup> Univ. of Toyama, Japan
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B 2-1-1	96	Innovative Smoke-free Biochar Production Reactor	Nittaya Nugranad MILNE <sup>1</sup> , Kasemsun CHINNAVASO <sup>2</sup> , Wanna LAOWAGUL <sup>1</sup> <sup>1</sup> Environmental Research and Training Centre, Thailand; <sup>2</sup> Office of Natural Resources and Environmental Policy and Planning, Thailand;
B 2-1-2	32	Difference in Removal Rate of Arsenite and Arsenate from Groundwater in Biological Filtration Systems- Results of on-site Voltammetric Analysis and XAFS Analysis	Yoko FUJIKAWA <sup>1*</sup> , Paul LEWTAS <sup>2</sup> , Sotoji TANI <sup>3</sup> , Katsumi TAKADA <sup>4</sup> , Phan Do HUNG <sup>5</sup> , Tetsuo HOMMA <sup>6</sup> , Hiroaki OZAKI <sup>7</sup> <sup>1</sup> Kyoto Univ. Research Reactor Institute, Japan; <sup>2</sup> Edith Cowan Univ., Australia; <sup>3</sup> Toyo Rosuiki Co., Japan; <sup>4</sup> Mukoh City Waterworks; <sup>5</sup> Institute of Environmental Technology, Vietnam; <sup>6</sup> JASRI, Japan; <sup>7</sup> Osaka Sangyo Univ., Japan
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B 2-2-1	46	Unintentional PCB Contamination in Chlorophenylsilane Compounds	Katsunori ANEZAKI <sup>1</sup> , Takeshi NAKANO <sup>2*</sup> <sup>1</sup> Hokkaido Research Organization, Environmental and Geological Research Department, Institute of Environmental Sciences, Japan; <sup>2</sup> Center for Advanced Science and Innovation, Osaka Univ., Japan

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B 2-3-2	M-3	Aflatoxin in Peanuts and its Products in Gaza Strip Markets	Akram JARADA <sup>1</sup> , Marwan JALAMBO <sup>1*</sup> , Abd El-Raziq SALAMA <sup>2</sup> , Hassan TAMOUS <sup>2</sup> , Ahmed ALIAN <sup>3</sup> <sup>1</sup> Ministry of National Economy, State of Palestine; <sup>2</sup> Al-Azhar Univ.-Gaza, State of Palestine; <sup>3</sup> Cairo Univ., Egypt
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C 2-2-2	M-12	Biodegradation of Waste Plastics in solid Waste Disposal Open Dump Site	Sutharat MUENMEE <sup>1*</sup> , Wilai CHIEMCHAI SRI <sup>1</sup> , Chart CHIEMCHAI SRI <sup>1</sup> <sup>1</sup> Kasetsart Univ., Thailand
C 2-2-3	M-11	Biodegradation of Phenol and Phthalate Compounds in Landfill Leachate by Microbial Sludge of TWO-stage Membrane Bioreactor	Jarungwit BOONNORAT <sup>1</sup> , Chart CHIEMCHAI SRI <sup>1*</sup> , Wilai CHIEMCHAI SRI <sup>1</sup> , Kazuo YAMAMOTO <sup>2</sup> <sup>1</sup> Faculty of Engineering, Kasetsart Univ., Thailand; <sup>2</sup> Environmental Science Center, Univ. of Tokyo, Japan
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D 2-3-2	137	Development of Biosorbent Using thermal Processes for Removal of Chromium	Artiya RORNGARM <sup>1</sup> , Thidarat BUNSRI <sup>1</sup> <sup>1</sup> Faculty of Engineering, King Mongkut's Univ. of Technology Thonburi, Thailand
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P-43	117	Removal of Arsenic from natural Water by co-Precipitation Using Ferric Chloride and Aluminum Sulfate; Comparison of co-Precipitant Efficiency Using Experimental Design	Itsariya WITTAYARAK <sup>1*</sup> , Apichat IMYIM <sup>1</sup> , Kanet WONGRAVEE <sup>1</sup> <sup>1</sup> Dept. of Chemistry, Faculty of Science, Chulalongkorn Univ., Thailand
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P-45	71	Development of Test Kits for Rapid and Simple Determination and Visual Examination of Cadmium in Rice by Immunochromatography Using Anti-(Cd-EDTA) Antibody	Katsuo NAKAMURA <sup>1</sup> , Hidekazu ARAI <sup>1</sup> , Yasuko YOSHIDA <sup>1*</sup> , Kei TAWARADA <sup>2</sup> , Kazuhiro SASAKI <sup>3</sup> , Hitoshi MIYASAKA <sup>4</sup> , Kaoru ABE <sup>5</sup> <sup>1</sup> Sumika Chemical Analysis Service, Ltd, Japan; <sup>2</sup> The Kansai Electric Power Co., Inc., Japan; <sup>3</sup> Central Research Institute of Electric Power Industry, Japan; <sup>4</sup> Sojo Univ., Japan; <sup>5</sup> National Institute for Agro-Environmental Sciences, Japan
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P-47	138	Prenatal Arsenic Exposure Induces Impaired Behavioral Flexibility and Morphology of the Prelimbic Cortex in Adult Mice	Kyaw Htet Aung <sup>1</sup> , Fumihiko MAEKAWA <sup>2</sup> , Chaw Kyi Tha Thu <sup>3</sup> , Kazuhiro SANO <sup>2</sup> , Kazuaki NAKAMURA <sup>1</sup> , Akito TANOUE <sup>1</sup> , Masaki KAKEYAMA <sup>4</sup> , Keiko NOHARA <sup>2</sup> , Shinji TSUKAHARA <sup>3*</sup> <sup>1</sup> National Research Institute for Child Health and Development, Japan; <sup>2</sup> National Institute for Environmental Studies, Japan; <sup>3</sup> Graduate School of Science and Engineering, Saitama Univ., Japan; <sup>4</sup> Graduate School of Biomedical Sciences, Nagasaki Univ., Japan
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P-57	9	Removal of Heavy Metals by Biosurfactants Applications	Shunsuke SEKIGUCHI <sup>1*</sup> , Lidi GAO <sup>2</sup> , Naoki KANO <sup>1</sup> , Hiroshi IMAIZUMI <sup>1</sup> <sup>1</sup> Faculty of Engineering, Niigata Univ., Japan; <sup>2</sup> Graduate School of Science and Technology, Niigata Univ., Japan,
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P-63	127	Amphiphilic Gel for Oil/Water Waste Treatment	Thanit KERTSOMBOON <sup>1</sup> , Suwabun CHIRACHANCAI <sup>1,2*</sup> <sup>1</sup> The Petroleum and Petrochemical College, Chulalongkorn Univ., Thailand; <sup>2</sup> Center for Petroleum, Petrochemicals and Advanced Materials, Chulalongkorn Univ., Thailand
P-64	M-14	Development of High Strength of late Age Mortar by Fine Particles of Agricultural Wastes, Baggasse Ash	Duangrudee CHAYSUWAN <sup>1*</sup> , Piyanut MUANGTONG <sup>1</sup> , Atiya TANCHAROEN <sup>1</sup> , Sumate POOMIPIRADEE <sup>3</sup> , Suvimol SUJJAVANICH <sup>2</sup> <sup>1</sup> Dept. of Materials Engineering, Faculty of Engineering,

			Kasetsart Univ., Thailand; <sup>2</sup> Dept. of Civil Engineering, Faculty of Engineering, Kasetsart Univ., Thailand; <sup>3</sup> Materials Properties Analysis and Development Centre, Thailand Institute of Scientific and Technological Research, Thailand.
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P-88	M-19	Toxicity Evaluation of 4-Nonylphenol Isomers with Ecotoxicological Bioassay using Delayed Fluorescence in the Green Alga <i>Pseudokirchneriella subcapitata</i>	Ryo OMAGARI <sup>1*</sup> , Masakazu KATSUMATA <sup>2</sup> , Koji ARIZONO <sup>1</sup> , Yasuhiro ISHIBASHI <sup>1</sup> <sup>1</sup> Prefectural Univ. of Kumamoto, Japan; <sup>2</sup> Hamamatsu photonics K.K., Japan
P-89	M-4	Effect of Excessive Doses of Oxytetracycline on Antioxidative Capacity in Coho Salmon	Toshiki NAKANO <sup>1*</sup> , Satoshi HAYASHI <sup>1</sup> , Norimi NAGAMINE <sup>1</sup> , Toshiyasu YAMAGUCHI <sup>1</sup> , Minoru SATO <sup>1</sup> <sup>1</sup> Marine Biochem. Lab., Graduate School of Agriculture Science, Tohoku Univ., Japan



P-90	41	Gas Fading Characteristics of Dyed Clothes on Exposure of Oxides of Nitrogen	Kunio YOSHIKUNI <sup>1*</sup> , Hathairatana GARIVAIT <sup>2</sup> , Wanna LAOWAGUL <sup>2</sup> , Daisy MORKNOY <sup>2</sup> , Ittipol PAWARMART <sup>3</sup> <sup>1</sup> Kyoritsu Women's Univ., Japan; <sup>2</sup> Environmental Research and Training Centre, Thailand; <sup>3</sup> Automotive Air Pollution Division, Pollution Control Department, Thailand
P-91	80	Neuro Toxicity in Allergic Mice after Early Phthalate Exposure	Tin Tin-WIN SHWE <sup>1*</sup> , Rie YANAGISAWA <sup>1</sup> , Eiko KOIKE <sup>1</sup> , Hiroshi NITTA <sup>1</sup> , Hirohisa TAKANO <sup>2</sup> <sup>1</sup> Center for Environmental Health Sciences, National Institute for Environmental Studies, Japan; <sup>2</sup> Dept. of Environmental Engineering, Graduate School of Engineering, Kyoto Univ., Japan
P-92	52	In Vivo and in Silico Studies to Evaluate the Estrogenic Effects of Bisphenol Analogues on Medaka	Akiko YAMAGUCHI <sup>1</sup> , Hiroshi ISHIBASHI <sup>2</sup> , Yasuhiro ISHIBASHI <sup>3</sup> , Nobuaki TOMINAGA <sup>1</sup> , Koji ARIZONO <sup>3*</sup> <sup>1</sup> Ariake National College of Technology, Japan; <sup>2</sup> Shokei Univ. Junior College, Japan; <sup>3</sup> Prefectural Univ. of Kumamoto, Japan
P-93	101	Transesterification Catalysis of Coconut Oil by Lipase	Lan TRAN Thi Be <sup>1*</sup> , Hoa PHAN Ngoc <sup>2</sup> <sup>1</sup> Can Tho Univ., Vietnam; <sup>2</sup> Division of Food Technology, HCM Univ. of Technology, Vietnam
P-94	141	Determination of Aflatoxins in Peanut Products and Cancer Risk Estimates of Dietary Exposure in Indonesian and Thai Population	Andri FREDIANSYAH <sup>1,4*</sup> , Panida NAVASUMRIT <sup>1,2,3</sup> , Jeerawan PROMVIJIT <sup>2</sup> , Chalida CHOMPOOBUT <sup>2</sup> , Mathuros RUCHIRAWAT <sup>2,3</sup> <sup>1</sup> Chulabhorn Graduate Institute, Thailand; <sup>2</sup> Chulabhorn Research Institute, Thailand; <sup>3</sup> Center of Excellence on Environmental Health and Toxicology, Ministry of Education, Thailand; <sup>4</sup> UPT BPPTK LIPI, Indonesian Institute of Sciences, Indonesia
P-95	83	Exposure to Intermediate-Frequency Magnetic fields During Developmental Stages Reversibly Affects NMDA and Related Signaling Pathways in the Adult Mice Brain	Tin Tin-WIN SHWE <sup>1*</sup> , Shin OHTANI <sup>2</sup> , Akira USHIYAMA <sup>2</sup> , Hiroshi NITTA <sup>1</sup> , Naoki KUNUGITA <sup>2</sup> <sup>1</sup> Center for Environmental Health Sciences, National Institute for Environmental Studies, Japan; <sup>2</sup> Dept. of Environmental Health, National Institute of Public Health, Japan

## Special Session

### JICA 1 Session

#### Pollutant Release and Transfer Register -PRTR

Date: November 24th, 10:15~12:00      Venue: Room D

Date: November 24th, 15:15~15:45      Venue: Room D

Presentation No.	Title	Author
JICA 1-1	Overview of PRTR Systems in OCED Countries and Japan's Cooperation Project in Thailand	Motoo KANEKO <sup>1</sup> <sup>1</sup> Ministry of Environment (MOE), Japan
JICA 1-2	Overview of the Implementation of Pilot PRTR System in Thailand	Teeraporn WIRIWUTIKORN <sup>1</sup> , Aram BHANDHUWANNA <sup>1</sup> <sup>1</sup> Hazardous Substance Division, Waste and Hazardous Substance Management Bureau, Pollution Control Department (PCD), Thailand
JICA 1-3	Approach to Point Sources – Now and Future	Jariya SUKHAPAN <sup>1</sup> <sup>1</sup> Industrial estate and Port management Division, Industrial Estate Authority of Thailand (IEAT), Thailand
JICA 1-4	Approach to Control and Manage Non – Point Sources Pollution in Thailand	Ittipol PAWARMART <sup>1</sup> <sup>1</sup> Automotive Air Pollution Division, Pollution Control Department, Thailand
JICA 1-5	Approach to Estimate Emission and Transfer of Pollutants from Small Industries (non-point source)	Sirakarn LEUNGSAKUL <sup>1</sup> <sup>1</sup> Air Pollution Division, Department of Industrial Works (DIW), Thailand
JICA 1-6	Enhance Environmental Performance through PRTR Approach	Worachai PUVISITKUL <sup>1</sup> <sup>1</sup> Sustainable Development Office, SCG Chemicals, Thailand
JICA 1-7	PRTR Implementation in PTT Global Chemical	Somchit NILTHANOM <sup>1</sup> <sup>1</sup> PTT Global Chemical Public Co., Ltd., Thailand

### JICA 2 Session

#### Strengthening Research on Micro-pollutants in Asia

Date: November 24th, 15:15~17:15      Venue: Room E

Presentation No.	Title	Author
JICA 2-1	Environmental Monitoring by Low Cost and Highly Efficient Analytical Methods	Kiwao KADOKAMI <sup>1</sup> <sup>1</sup> The University of Kitakyushu, Japan
JICA 2-2	POPs Monitoring Study and JICA's Cooperation	Yeru HUANG <sup>1</sup> <sup>1</sup> National Research Center for Environmental Analysis and Measurement Sino-Japan Friendship Center for Environmental Protection, China
JICA 2-3	Determination of PeCB in the Waste of Industrial Incinerator	Nguyen Thi HUE <sup>1</sup> <sup>1</sup> Institute of Environmental Technology, Vietnam Academy of Science and Technology, Vietnam
JICA 2-4	Strengthening Research on Micro – Pollutants in Asia	Suwanna TIANSUWAN <sup>1</sup> <sup>1</sup> Environmental Research and Training Center, Thailand

JAIMA Session		
(Japan Analytical Instruments Manufacturers' Association)		
Date: November 24th, 15:45~17:15      Venue: Room D		
Presentation No.	Title	Author
JAIMA-1	Introduction of JAIMA and JASIS	Kyoichi KOMORI <sup>1</sup> <sup>1</sup> Japan Analytical Instruments Manufacturers' Association, Japan
UNU Session		
(United Nation University)		
Date: November 25th, 10:30~11:30      Venue: Room D		
Date: November 25th, 14:00~15:00      Venue: Room D		
Presentation No.	Title	Author
UNU-1	Approaches and capacity building for analysis of environmental chemicals focusing on perfluorinated compounds through the UNU-Shimadzu project	Osamu ITO <sup>1*</sup> , Eiko TAKASHITA <sup>1</sup> , Masatoshi MORITA <sup>2</sup> <sup>1</sup> Institute for the Advanced Study for Sustainability, United Nations University, Japan; <sup>2</sup> Center of Advanced Technology for the Environment, Faculty of Agriculture, Ehime University, Japan
UNU-2	GMP (global monitoring plan) activities under the Stockholm Convention	Yasuyuki SHIBATA <sup>1</sup> <sup>1</sup> National Institute for Environmental Studies, Japan
UNU-3	Analytical method for Perfluorooctanesulfonate (PFOS) and Perfluorooctanoate (PFOA) in surface water using LC/MS/MS	Satoshi YAMAKI <sup>1</sup> <sup>1</sup> Shimadzu Corporation, Japan
UNU-4	Emerging chemicals in aquatic ecosystems of India: analytical and risk evaluation	Babu Rajendran RAMASWAMY <sup>1</sup> *, Krishna Kumar SELVARAJ <sup>1</sup> J, Srimurali SAMPATH <sup>1</sup> , Nikhil NISHIKANT PATIL <sup>1</sup> , Vimalkumar KRISHNAMURTHY <sup>1</sup> <sup>1</sup> Department of Environmental Biotechnology, School of Environmental Sciences, Bharathidasan University, India
UNU-5	Perfluorooctane sulfonate (PFOS) and perfluorooctanoic acid (PFOA) in water from various sampling areas in Korea	Nguyen Hoang LAM <sup>1</sup> , Chon-Rae CHO <sup>1</sup> , Byung-Kyu MIN <sup>1</sup> , Min-Seok JANG <sup>1</sup> , Hyeon-Seo CHO <sup>1</sup> * <sup>1</sup> College of Fisheries and Ocean Sciences, Chonnam National University, Republic of Korea
UNU-6	Monitoring of Perfluorooctane sulfonate and Perfluorooctanoic acid in Singapore surface water	Hong ZHANG <sup>1</sup> , Wen Feng CHUA <sup>1</sup> , Hian Kee LEE <sup>1,2,*</sup> <sup>1</sup> Department of Chemistry, National University of Singapore; <sup>2</sup> National University of Singapore Environmental Research Institute, Singapore
UNU-7	The contamination of Perfluorinated Compounds (PFCs) on the upper Gulf of Thailand and surrounding industrial estates	Areerat JAKSAKUL <sup>1</sup> , Sunithra THONGKLEING <sup>1</sup> , Ruchaya BOONYATUMANOND <sup>1</sup> <sup>1</sup> Environmental Research and Training Center, Thailand
UNU-8	Contamination by Perfluorinated compounds in municipal wastewater from drainage system in Hanoi, Vietnam	PHAM Hung Viet <sup>1</sup> , DUONG Hong Anh <sup>1</sup> , NGUYEN Thuy Ngoc <sup>1</sup> , PHUNG Thi Vi <sup>1</sup> , NGUYEN Thu Huong <sup>1</sup> <sup>1</sup> Research Centre for Environmental Technology and Sustainable Development(CETASD), Hanoi University of Science, Vietnam National University, Vietnam
UNU-9 Poster	PFCs in Selected Rivers and Industrial Estates in the Philippines	Evangeline C. SANTIAGO <sup>1</sup> , Kristine MANALANG <sup>1</sup> <sup>1</sup> Research and Analytical Services Laboratory Natural Sciences Research Institute, University of the Philippines, The Philippines

UNU-10 Poster	Monitoring of Perfluorinated Chemicals (PFCs) in Surface Water of Selangor and Langat River Basin	Mohd Redzuan RAMLI <sup>1,2</sup> , Mustafa ALI MOHD <sup>1*</sup> , Nik Meriam NIK SULAIMAN <sup>2</sup> , Nobumitsu SAKAI <sup>1</sup> , Ayumi HASHIGUCHI <sup>3</sup> , Emmy Dayana AHMAD <sup>1</sup> <sup>1</sup> Shimadzu-UMMC Centre for Xenobiotic Studies (SUCXeS), Department of Pharmacology, Faculty of Medicine, University of Malaya, Malaysia; <sup>2</sup> Centre for Separation Science and Technology, Department of Chemical Engineering, Faculty of Engineering, University of Malaya, Malaysia; <sup>3</sup> Environmental Risk Analysis, Department of Urban and Environmental Engineering, Kyoto University, Japan.
UNU-11 Poster	Perfluorooctane Sulfonate ( PFOS ) and Perfluorooctanic Acid (PFOA) in Selected Sites of Surface Water Bodies in Pakistan	Muhammad Aslam TAHIR <sup>1</sup> , Shakeel BADSHAH <sup>1</sup> <sup>1</sup> Pakistan Council of Research in Water Resources, Pakistan

**The Second Southeast Asian International Workshop  
on Integrated Exposure and Effects Analysis  
SETAC-J Session**

(IEEA)

Date: November 25th, 10:30~11:30      Venue: Room E  
Date: November 25th, 14:00~15:00      Venue: Room E  
Date: November 25th, 15:15~16:15      Venue: Room E

Presentation No.	Title	Author
IEEA 1	Time to shift the environmental chemistry and toxicology paradigm towards the integrated exposure and effects analysis	Shoji F. NAKAYAMA <sup>1*</sup> , Daisuke AKAYAJIMA <sup>1</sup> , Go SUZUKI <sup>1</sup> <sup>1</sup> National Institute for Environmental Studies, Japan
IEEA 2	Oxidative DNA damage and inflammatory responses in humans co-exposed to multiple pollutants in traffic-related particles	Panida VASUMRIT <sup>1,2*</sup> , Udomratana VATTANASIT <sup>1</sup> , Jantamas KANITWITTAYANUN <sup>1</sup> , Ormrat KAMPEERAWIPAKORN <sup>1</sup> , Mathuros RUCHIRAWAT <sup>1</sup> <sup>1</sup> Chulabhorn Research Institute, Thailand; <sup>2</sup> Chulabhorn Graduate Institute, Thailand
IEEA 3	Integrated assessment for Dioxin contamination in Da Nang agent orange hotspot: community health risk and intervention options	Nguyen Hung MINH <sup>1*</sup> , Tran Thi Tuyet-HANH <sup>2</sup> , Le Vu ANH <sup>2</sup> , Nguyen Thi Minh HUE <sup>1</sup> <sup>1</sup> Dioxin Laboratory Project; <sup>2</sup> Hanoi School of Public Health, Vietnam
IEEA 4	Atmospheric concentrations of persistent organic pollutants (POPs) using passive air sampler in Batam island, Indonesia	Agus SUDARYANTO <sup>1*</sup> , Muhammad ILYAS <sup>1</sup> , Adi Slamet RIADI <sup>1,2</sup> , Tomohiko ISOBE <sup>2</sup> , Shinsuke TANABE <sup>2</sup> <sup>1</sup> Technology Center for Marine Survey, Agency for the Assessment and Application of Technology (BPPT); <sup>2</sup> Center for Marine Environmental Studies (CMES), Ehime University, Japan
IEEA 5	Water quality assessment of Hlaing River, Yangon Region, Myanmar, 2013	Mya THANDAR <sup>1</sup> , Than HTUT <sup>1</sup> , Khaing Lay MON <sup>1</sup> , Kay Khine AYE-MAUK <sup>1</sup> , Aung Myint MAW <sup>2</sup> , Aye Mya AUNG <sup>1</sup> , Nay Soe MAUNG <sup>1</sup> <sup>1</sup> University of Public Health, Yangon, Myanmar; <sup>2</sup> Cleansing and Pollution Control Department, Yangon City Development Council, Myanmar
IEEA 6	Government's effort in chemical management in Cambodia	Laksa SOPHAL <sup>1</sup> <sup>1</sup> Ministry of Environment, Phnom Penh, Cambodia