

WET2014 Technical Program Time Table

Session	Speaker	Title	Page
Saturday, June 28th Session 1A			Chair: NAKAI Satoshi
Oral introduction: 13:30-14:40, Poster viewing: 14:40-15:40 Put up poster : 13:00~13:30			
28-1A-01	PHUMMALA Kanthima (00007942)	Optimization of enzymatic hydrolysis of alkaline pretreated wood waste by response surface methodology for fermentative hydrogen production	1
28-1A-02	YEDLA, Sudhakar (00007626)	Development of Methodology for E Waste Estimation A Material Flow Analysis Based SYE Waste Model	1
28-1A-03	ARFARITA, Novi (00007629)	Field Application of Trichoderma viride strain FRP 3 for in situ bioremediation on glyphosate contaminated land in Indonesia	2
28-1A-04	NAGAI, Taichi (00007929)	Effects of Steelmaking Slag Leachate Containing Natural Chelated Iron on the Growth of Sargassaceae Species at the Germling Stage	2
28-1A-05	TAKANASHI, Hirokazu (00007931)	Relationship between Chemical Structures of Pesticides and Their Mutagen Formation Potential (MFP)	3
28-1A-06	KANJANA, Wajussakorn (00008017)	Valuation of Water Environment for Co-benefits Approach of Methane Recovering Based CDM Project	3
28-1A-07	VO, Huy Thanh (00007933)	Potential application of high pressure carbon dioxide in wastewater and water disinfection: recent overview and further trends	4
28-1A-08	ARISHIMA, Yukiko (00007934)	Structural Characterization of a Photoproduct from DCMU (diuron) by High Resolution LC-MS	4
28-1A-09	RAHMAN, Ari (00007936)	Removal of Cationic and Anionic Textile Dyes by the Utilization of Textile Sewage Sludge based Activated Carbon	5
28-1A-10	ASHADULLAH, A. K. M. (00007937)	Effects of operational parameters on reduction of nitrate to ammonia using an electrochemical flow cell	5
28-1A-11	ABBAS, Adilla (00007938)	Effects of Light Conditions using LED Lamp on the Cultivation of Nannochloropsis sp.	6
28-1A-12	TORIHARA, Kenta (00007939)	Evaluation of Growth Characteristics of Euglena gracilis for Microalgal Biomass Production using Wastewater	6
28-1A-13	XIAO Zhixing (00007940)	Humin based bio-electrochemical system for nitrate reduction using pure cultures of Pseudomonas stutzeri and Shewanella CN32	7
28-1A-14	ZHOU, Xue (00007941)	Biodegradation of Chlorinated Volatile Organic Compounds by River Sediment Microorganisms	7
28-1A-15	INOUE, Daisuke (00008012)	Effect of temperature on enrichment of polyhydroxyalkanoate accumulating organisms in sequencing batch reactors fed with acetate	8
Saturday, June 28th Session 1B			Chair: KURISU Futoshi
Oral introduction: 13:30-14:40, Poster viewing: 14:40-15:40 Put up poster : 13:00~13:30			
28-1B-01	ORITATE, Fumiko (00007944)	Pouring method of Digested Slurry with Irrigation Water to Paddy Field in Southern Vietnam	9
28-1B-02	FEBRINA, Rina (00007945)	Study on Fish Migration through Stones Embedded Fish Passage Based on Preference	9
28-1B-03	YUDHANA, Anton Yudhana (00007946)	Water Sound Profile Characterization of Life Habitat and Research Tank of Green Turtle in Terengganu Malaysia	10
28-1B-04	GAO Dawen (00007947)	A novel hybrid anaerobic membrane bioreactor for sewage treatment	10
28-1B-05	MIURA, Osuke (00007949)	Water purification by high gradient magnetic separation with magnetic activated carbon and magnetic zeolite	11
28-1B-06	HARIBOWO, Riyanto (00007950)	Behavior of Chemical Concentration and Toxicity in River Basins Dominated by Residential Areas	11
28-1B-07	ZHU, Feidie (00007951)	Effect of Organic Hydrophilic/Hydrophobic Characteristics on UF Irreversible Fouling Occurrences in Seawater Treatment	12
28-1B-08	HAMAMOTO, Shinya (00007952)	Mechanistic consideration of fluoride removal using aluminum sulfate	12
28-1B-09	JIKUMARU, Chinami (00007954)	Nitrogen decomposition and release from Sediments in Agriculture Drainage Canals	13
28-1B-10	DU, Jingru (00007955)	Effect of erythromycin on nitrification during batch and continuous experiments	13
28-1B-11	DEVIA, Yatnanta Padma (00007956)	Magnesium chloride on forward osmosis for simultaneous nutrient removal and clean water production	14
28-1B-12	OWOLABI, Isiaka Alade (00007957)	Speciation of Chromium in Environmental Samples from Selected Farms in the Vicinity of Ferrocchrome	14
28-1B-13	KANAI, Eri (00007958)	Identifying the bacteria causing bulking with fluorescence in situ hybridization (FISH) and real-time PCR	15
28-1B-14	YAMAZAKI, Yuri (00007959)	Evaluation of River Water Quality in Clear Stream Watershed at Agricultural Area Using Multivariate Analysis	15
28-1B-15	LI, Qian (00007960)	Rate-limiting step determination of thermophilic and mesophilic anaerobic digestion using coffee ground and dewatered waste activated sludge as substrates	16

WET2014 Technical Program Time Table

Session	Speaker	Title	Page
Saturday, June 28th Session 2A			Chair: TAKANASHI Hirokazu
Oral introduction: 15:50-17:00, Poster viewing: 17:00-18:00 Put up poster: after 18:00 on 28th, or between 8 am and 9 am on 29th			
28-2A-01	YAMASHITA, Takahiro (00007961)	Hydrogen Production from Microbial Electrolysis Cells Using Ferrihydrite Enrichment Culture Bacteria	17
28-2A-02	HAMA, Takehide (00007962)	Assessment of Phosphorus Buffering Capacity of Drainage Canal Sediments in Paddy-Field Districts	17
28-2A-03	HAIDAR, Muhammad (00007963)	Estimation of organic carbon release from coastal erosion in Bengkalis Island, Indonesia	18
28-2A-04	TAKEUCHI, Kotaku (00007964)	Adsorption and Desorption of Cd(II) Ions on Oxidized Activated Carbon in Flow System	18
28-2A-05	TAKEDA, Fumihiko (00007965)	Initial environmental risk assessment of Japanese PRTR substances in treated wastewater	19
28-2A-06	AMANO, Yoshimasa (00007966)	Allelopathic Interaction in Interspecific Algal Competition between Microcystis aeruginosa and Cyclotella sp.	19
28-2A-07	IIDA, Tatsuya (00007968)	Adsorption and desorption properties of nitrate ion by activated carbon	20
28-2A-08	NISHIYAMA, Masateru (00007970)	Investigation of vancomycin-resistant enterococci (VRE) collected from urban river basin in the provincial city of Miyazaki	20
28-2A-09	HIRAYAMA, Shota (00007971)	Development of a rapid and simple bioassay with the marine diatom Skeletonema and application to municipal treated wastewater	21
28-2A-10	CHINSON, Shimou (00007972)	Adsorption of Pb(II) from Aqueous Solution on Activated Carbon Fibers Oxidized by HNO ₃ Solution	21
28-2A-11	HONG, Nian (00007974)	Simulation of groundwater levels using simple conceptual model in Kumamoto area	22
28-2A-12	WEI, Qiaoyan (00007976)	Comparative study on HRT and Nitrogen Concentration Effects on Enhancement of Nitrogen Removal by Marine Anammox Bacteria (MAB)	22
28-2A-13	HATA, Motohide (00007977)	Removal of Color and COD in Ink Wastewater by Steam Activated Carbons Prepared from Bamboo	23
28-2A-14	NEMOTO, Yasunari (00007978)	Effect of Na ₂ SO ₄ in (NH ₄) ₂ S ₂ O ₈ solution on oxidation of activated carbon for Ni(II) adsorption in water	23
28-2A-15	SUGAI, Naoki (00007981)	The variation of water quality arising from the hydrolysis of aluminum in the acidified river	24
Saturday, June 28th Session 2B			Chair: KISHIMOTO Naoyuki
Oral introduction: 15:50-17:00, Poster viewing: 17:00-18:00 Put up poster: after 18:00 on 28th, or between 8 am and 9 am on 29th			
28-2B-01	NGO, Anh Van (00007982)	High-rate Moving-bed anaerobic digestion for the Waste Activated Sludge Treatment	25
28-2B-02	NIINA, Kouki (00007983)	Differentiation of the host of Escherichia coli isolated from humans, cattle and swine feces by Rep-PCR genomic fingerprinting method	25
28-2B-03	SUGIMOTO, Koichi (00007984)	Competitive Characteristics of Microcystis aeruginosa and Cyclotella sp. under Different Dilution Rates and Nitrogen Concentrations	26
28-2B-04	TAKABE, Yugo (00007986)	Analysis of nutrients and EDTA fate in soil aquifer treatment for wastewater reuse by mathematical models	26
28-2B-05	SUWANNASING Waranya (00007987)	Study on potential utilisation pineapple wastes streams for polyhydroxyalkanoates (PHAs) production via batch fermentation	27
28-2B-06	SUSILO, Gatot Eko (00007988)	Assessing Water Quality for Drinking Water Purpose in the Way Sekampung River, Lampung Province - Indonesia	27
28-2B-07	HARTWAN, Muhammad Bobby (00007989)	The Implementation of Environmental Education in Developing Countries through Environmental Sanitation Themed Magazines	28
28-2B-08	YATAGAI, Tomonori (00007990)	Generation of OH radicals in Orange II degradation by the electro-Fenton process	28
28-2B-09	AMARATHUNGA, Deeptha (00007991)	Photodegradation of chlorpyrifos an organophosphorus pesticide with suspended matter bounded humic acid	29
28-2B-10	MINO, A. Esteban R. (00008062)	Water quality assessment of the coastal waters of Santo Domingo (Dominican Republic) using free satellite imagery	29
28-2B-11	NAKAMICHI Shihori (00007993)	Enhanced phosphate removal using zero-valent iron: Roles of oxidation of ferrous ion by hydrogen peroxide	30
28-2B-12	AMRI, Tengku Ariful (00007994)	Water Quality Assessment of Siak River, Riau Province, Indonesia	30
28-2B-13	DHAKAL, Ram Hari (00007995)	Proper dissemination of information to improve people awareness on flood disaster: A Case Study of 2011 Flood in Thailand	31
28-2B-14	RATTANAKUL, Surapong (00007996)	Inactivation of viruses by combination processes of UV and chlorine	31
28-2B-15	SUDRAJAT, Hanggara (00007998)	Green synthesis of N-doped gamma-Fe ₂ O ₃ for degradation of methylene blue	32

WET2014 Technical Program Time Table

Session	Speaker	Title	Page
Sunday, June 29th Session 3A			Chair: YAMAMOTO Yuko
Oral introduction: 09:00-10:10, Poster viewing: 10:10-11:10 Put up poster: after 18:00 on 28th, or between 8 am and 9 am on 29th			
29-3A-01	LIU, Bing (00008000)	Exogenous Decay of Nitrifying Sludge under High Nitrite Concentration	33
29-3A-02	KURNIATI, Evi (00008002)	The Role of <i>Aspergillus flavus</i> Strain KRP1 in Bioremediation of Mercury Contaminated Soil	33
29-3A-03	DANG, Vu Hanh Bich (00008004)	Assessment of Nutrient Losses of Biogas Slurry Reuse for Paddy Field	34
29-3A-04	RATHNAYAKE, Lashitha Dinesh (00008005)	In situ analysis of nitric oxide production in anammox granules	34
29-3A-05	MATSUMURA, Naoto (00008006)	Removal of toxic substances in anaerobically digested sewage sludge using ferrate ion	35
29-3A-06	KIHARA, Kousuke (00008007)	Effect of dam reservoirs on the material cycle in Mimi River water system	35
29-3A-07	IM, Dongbum (00008008)	Virus removal performance and operational condition in combination process of ozonation, ceramic membrane filtration for secondary effluent	36
29-3A-08	UNO, Mizuho (00008009)	Disinfection of fecal indicator bacteria in secondary effluent using sunlight irradiation	36
29-3A-09	KUBOTA Keiichi (00008010)	Evaluation of amending effect for marine sediment by Sediment Microbial Fuel Cells	37
29-3A-10	RACHMADI, Andri Taruna (00008011)	Virus Occurrence and Attenuation in Constructed Wetlands Used for Additional Wastewater Treatment in Arizona, United States	37
29-3A-11	MIHO, Saori (00008014)	Detection of the Japanese PRTR chemicals in a river affected by effluent from industrial and sewage facilities	38
29-3A-12	OHNO, Masaki (00008064)	Evaluation of biofouling potential of raw water for RO membranes	38
29-3A-13	MURAKAMI, Kazuhito (00008016)	Environmental Impact Risk Assessment of Herbicides using Microcosm System	39
29-3A-14	KISHIMOTO, Naoyuki (00007932)	Does a decrease in chlorophyll-a concentration in Lake Biwa mean a decrease in primary productivity by phytoplankton?	39
Sunday, June 29th Session 3B			Chair: YAMAMOTO Koichi
Oral introduction: 09:00-10:10, Poster viewing: 10:10-11:10 Put up poster: after 18:00 on 28th, or between 8 am and 9 am on 29th			
29-3B-01	NAHAR, Mst. Shamsun (00008019)	Removal of Metal and Nonmetal Isotopes in Waste Water by Using Hyperaccumulating Species	40
29-3B-02	YOSHINO, Hiroyuki (00008020)	Performance of excess activated sludge reduction and the resultant microbial community structure by a high pressure jet device	40
29-3B-03	TORREY, Jason (00008021)	Prevalence of Foodborne Pathogenic Organisms in Irrigation Waters of the Southwest United States	41
29-3B-04	AGATSUMA, Saki (00008022)	Influence of Regional Unused Resources as Sediment Remediation Materials	41
29-3B-05	KOIBUCHI, Yukio (00008023)	Sediment-associated radiocesium from Fukushima Daiichi Nuclear Power Plant flowing from Ohori river to Lake Teganuma	42
29-3B-06	YUZIR, Ali (00008024)	Performance of an up-flow anaerobic packed bed reactor in the treatment of wastewater containing acetaminophen.	42
29-3B-07	ZHANG, Yuxin (00008025)	Denitrification and anammox reaction in an anoxic reactor of anaerobic-anoxic-oxic biofilm process	43
29-3B-08	HUANG, Xiaowu (00008026)	Start-up of Partial Nitritation as Pretreatment for Anaerobic Ammonium Oxidation (Anammox) Using Effective Membrane Bioreactor	43
29-3B-09	SUENAGA, Toshikazu (00008027)	Enrichment and isolation of N ₂ O-reducing bacteria by a gas-permeable membrane biofilm reactor	44
29-3B-10	SHIMURA, Fumi (00008029)	Identification of active nitrous oxide reducers in activated sludge by rRNA-based stable isotope probing combined with next-generation sequencing	44
29-3B-11	TACHI, Chihiro (00008030)	Impacts of final sedimentation process on profile of quinolone-resistance genes and their expression in <i>Escherichia coli</i> isolates from a wastewater treatment process	45
29-3B-12	SO, Magnus (00008031)	Modelling the Effect of Biofilm Morphology on Detachment	45
29-3B-13	WATANABE, Makoto (00008032)	Analysis of fecal contamination of environmental water in the Kofu basin and the Tamagawa River using host-specific Bacteroidales and F-specific RNA coliphage genetic markers	46
29-3B-14	EBATA, Kazunori (00008033)	Developing a model of dissolved organic carbon loading by integrating soil infiltration and river runoff processes in a forested watershed	46
29-3B-15	CANCEL		47

WET2014 Technical Program Time Table

Session	Speaker	Title	Page
Sunday, June 29th Session 4A			Chair: TERADA Akihiko
Oral introduction: 11:20-12:30, Poster viewing: 12:30-13:30 Put up poster: after 18:00 on 28th, or between 8 am and 9 am on 29th			
29-4A-01	NGUYEN, Mai (00008035)	Application of delta15N to estimate nitrogen sources in outflowing water from paddy field	48
29-4A-02	OKAMOTO, Takehiro (00008036)	Relationship between nitrogen balance and water movement in paddy	48
29-4A-03	SAWADA, Kazuko (00008052)	Evaluation of the 1,4-dioxane biodegradation potential of Pseudonocardia spp. and Rhodococcus spp.	49
29-4A-04	HONGPRASITH, Narapong (00008038)	Improvement of oxygen transfer efficiency in term of the interfacial area increasing by Liquid-Film-Forming Apparatus (LFFA) application	49
29-4A-05	HIJIKATA, Joshuwa (00008039)	Identification of nitrifying bacterial groups responsible for N2O production	50
29-4A-06	CANCEL		50
29-4A-07	JIN, Jun (00008041)	Toxicity Assessment of the Sewage Effluents: Whole Effluent Toxicity (WET) and PRTR Data	51
29-4A-08	UDDIN, Mohammad Mosleh (00008042)	Contribution of Biological Activity to Arsenite Oxidation at Arsenic-Iron Removal Plants (AIRP) in Bangladesh	51
29-4A-09	THEEPHARAKSAPAN, Suthida (00008043)	Estimation of Escherichia coli Leakage Potential in Microfiltration based on Pore Size and Cell Size Distributions	52
29-4A-10	MOMIUCHI, Kengo (00008044)	Selective enrichment of ammonia-oxidizing archaea and bacteria from freshwater	52
29-4A-11	KAMEYAMA, Takahiro (00008045)	Evaluation of influent pollutant load dynamics in wet weather by continuous monitoring with turbidity, EC, and NH4-N sensors	53
29-4A-12	INO, Daisuke (00008046)	Development of novel water treatment apparatus for the removal of arsenic using slurry TiO2 photocatalyst	53
29-4A-13	NARAZAKI, Yohei (00008047)	Separation and recovery of zinc ion removal from wastewater using zero-valent iron	54
29-4A-14	NAKAMURA, Masako (00008048)	Estimation of phosphorus loads to small pond from Great Cormorants colony.	54
29-4A-15	YAMAMOTO, Yuko (00008050)	Long Term Change of Water Quality of Run-off from the Upland Field in Agricultural and Dairy Farming Area	55
Sunday, June 29th Session 4B			Chair: IMAI Tsuyoshi
Oral introduction: 11:20-12:30, Poster viewing: 12:30-13:30 Put up poster: after 18:00 on 28th, or between 8 am and 9 am on 29th			
29-4B-01	SUGUKI, Takuma (00008049)	Detection of pesticides and their transformation products at monitoring sites of water qualities	56
29-4B-02	NUGRAHA, Yudha Purna (00008051)	Control Effects of Oxygen Permeation on the Performance of Single-Chamber Microbial Fuel Cells	56
29-4B-03	SUZUKI, Ryosuke (00008037)	Removal of dissolved organic matter and disinfection by-products formation potential in the upper layer during soil aquifer treatment	57
29-4B-04	CABRAL, Kerry Pan (00008055)	Synthesis and characterization of sea urchin-like TiO2 for photocatalytic water treatment under solar irradiation	57
29-4B-05	ITATSU, Yasuyuki (00008056)	Environmental Effect Assessment of Industrial Effluents and Characterization of Toxicity	58
29-4B-06	TOYAMA, Tadashi (00008057)	Enhanced biodegradation of endocrine-disrupting chemicals by cooperative relationship between common reed and rhizosphere bacteria	58
29-4B-07	NISHIMURA, Fumitake (00008058)	Promotion of thermophilic L-lactic acid fermentation from organic wastes by using polysaccharides as raw materials	59
29-4B-08	TRAN, Anh Thuy (00008059)	Transmission of microorganisms from contaminated common fomite to hands after successive contacts for microbial health risk assessment	59
29-4B-09	SHIMOKAWA, Toshifumi (0008061)	The toxicity assessment of river water using Daphnia magna toxicity tests with growth rate analysis in combination with Chlorella addition and filtration treatment	60
29-4B-10	KAMEI, Tatsuru (00007992)	Simultaneous removal of ammonium and nitrate by combination with ANAMMOX and hydrogenotrophic denitrification	60
29-4B-11	CANCEL		61
29-4B-12	ARAO, Yosuihiro (00008015)	Sediment characteristics of the tidal flats formed in the coastal marsh of Miyazaki, Japan	61
29-4B-13	CANCEL		62
29-4B-14	YAMAMOTO Koichi (00008066)	Domestic Water Quality in the Palangkaraya, Central Kalimantan, Indonesia	62
29-4B-15	FURUYA, Takashi (00008034)	Development of a method for simultaneous concentration of viruses and protozoa in water using NanoCeram electropositive filter	63