08 December 2008 (Monday)

TIME	EVENT	SPEAKER (Affiliation)
09:00-09:30	REGISTRATION AND WELCOMING	
09:30-09:35	OPENING REMARKS	Prof. Joon Ha Kim (Conference Chair, Director of Sustainable Water Resource Technology Center, GIST)
09:35-09:40	CONGRATORY REMARKS #1	Prof. Miriam Balaban (Chief editor of Desalination, European Desalination Society)
09:40-09:45	CONGRATORY REMARKS #2	Prof. Zuwhan Yun (President of Korean Society on Water Quality, Korea University)
09:45-09:50	INVITED SPEECH FOR YWP	Mr. Adrian Puigarnau (IWA Young Water Professionals Program Officer)
09:50-10:20	PLENARY LECTURE #1	Prof. In S. Kim (Executive Director of Center for Seawater Desalination Plant, GIST)
10:20-10:40		TEA BREAK

	WATER RESOURCES AND DRINKING WATER TECHNOLOGIES	WASTEWATER TREATMENT TECHNOLOGIES	DESALINATION AND WATER REUSE
Session Chair	Jaewon Cho /Suthipong Sthiannopkao	Hisashi Satoh / Young-Haeng Lee	How Yong Ng / Seung Kwan Hong
10:40-11:00	A1	B1	C1
11:00-11:20	A2	B2	C2
11:20-11:40	A3	B3	C3
11:40-12:00	A4	B4	C4
12:00-13:10		LUNCH	
13:10-13:40	SPECIAL LECTURE (Jaewon Cho)	SPECIAL LECTURE (Hisashi Satoh)	SPECIAL LECTURE (How Yong Ng)
13:40-14:00	A5	B5	C5
14:00-14:20	A6	B6	C6
14:20-14:40	A7	B7	C7
14:40-15:00	A8	B8	C8
15:00-15:30		POSTER SESSION	
15:30-15:50	A9	B9	C9
15:50-16:10	A10	B10	C10
16:10-16:30	A11	B11	C11
16:30-16:50	A12	B12	C12
16:50-17:00		TEA BREAK	
17:00-17:20	A13	B13	C13
17:20-17:40	A14	B14	C14
17:40-18:00	A15	B15	C15
18:30-20:30		BANQUET	

09 December 2008 (Tuesday)

TIME	EVENT	SPEAKER (Affiliation)
09:00-09:30	PLENARY LECTURE #2	Prof.Guibin Jiang (Associate editor of Environmental Science & Technology, Chinese Academy of Sciences)
09:30-09:40		TEA BREAK

	WATERSHED MANAGEMENT AND PUBLIC HEALTH	CONVERGENCE WATER TECHNOLOGIES	ENERGY RECOVERY AND WATER GENERAL
Session Chair	Qiuwen Chen / Lee-Hyung Kim	Sang Ho Lee / H.K. Shon	In Seop Chang / Kenneth Widmer
09:40-10:00	D1	E1	F1
10:00-10:20	D2	E2	F2
10:20-10:40	D3	E3	F3
10:40-11:00	D4	E4	F4
11:00-11:10		TEA BREAK	
11:10-11:30	D5	E5	F5
11:30-11:50	D6	E6	F6
11:50-12:10	D7	E7	F7
12:10-13:20		LUNCH	
13:20-13:50	SPECIAL LECTURE (Qiuwen Chen)	SPECIAL LECTURE (Hee Chul Choi)	SPECIAL LECTURE (In Seop Chang)
13:50-14:10	D8	E8	F8
14:10-14:30	D9	E9	F9
14:30-14:50	D10	E10	F10
14:50-15:10	D11	E11	F11
15:10-15:40		POSTER SESSION	
15:40-16:00	D12	E12	F12
16:00-16:20	D13	E13	F13
16:20-16:40	D14	E14	F14
16:40-17:00	D15	E15	F15
17:00-17:10		TEA BREAK	
17:10-17:50		WRAP-UP MEETING & CLOSING REMARKS	
18:00-22:20		CITY NIGHT TOUR	

10 December 2008 (Wednesday)

08:00-17:30 TECHNICAL TOUR

Opening & closing ceremony and Plenary lectures will be held in Room 101 on the first floor of Oryong Hall.

Welcome Message

Conference chair,
Joon Ha Kim
Director of Sustainable Water Resource Technology Center (SWRTC), GIST

Welcome to the 1st IWA AP YWP conference,

Thank you for your interest in the 1st Asia-Pacific Young Water Professionals Conference. On behalf of the International Water Association (IWA), I would cordially welcome the opportunity to hold this conference with you at Gwangju Institute of Science and Technology (GIST) in Gwangju City, the cultural Mecca of Korea.

To reflect a motivation for young water professionals programme, the conference provides the expanded international communication among young and senior water professionals, and discusses main concerns in the fields of Drinking / Wastewater, Desalination/Water Reuse, Watershed Management/Public Health, and Convergence Technologies/Energy Recovery related to Waters at Asia-Pacific region. The conference also offers a series of activities, services, and initiatives to young researchers and professionals to ensure that future needs of the fields are adequately addressed. Specific details for the conference are given in the announcement.

We look forward to welcoming you to this attractive conference and wish your success in the academic career arena.

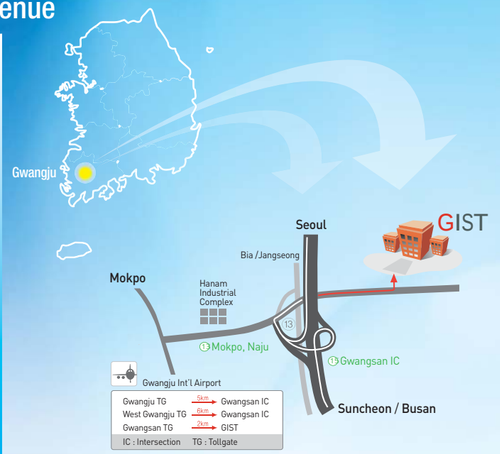
Best Wishes,

See you at GIST!

Registration

Registration fee		Early Bird Rate	Normal Rate
IWA members	General	$ 300	$ 350
	Student	$ 250	$ 300
Non-IWA members	General	$ 400	$ 450
	Student	$ 350	$ 400

Venue



The 1st IWA

Asia-Pacific Young Water Professionals Conference

"Meeting Water Challenges in Asia-Pacific Region"

- When : December 08-10, 2008
- Where : GIST, Gwangju, Korea

Organized by

Gwangju Institute of Science and Technology · International Water Association · SWRTC

Sponsors

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International Water Association

About IWA

The International Water Association is a global network of water professionals, spanning the continuum between research and practice and covering all facets of the water cycle.

Invitation from Young Water Professionals

Adrian Puigarnau
Programmes Officer,
International Water Association

On behalf of the International Water Association, and especially on behalf of the members of our Young Water Professionals Committee, I would like to welcome you to the 1st Asia Pacific Young Water Professionals Conference.

The conference, organised by a dedicated group of YWPs and their professors, reflects the spirit of our programme:

- It helps you to improve your presentation skills – either if you had a platform presentation or a poster – and, at the same time, it provides you with the visibility that you deserve.
- It allows you to meet with established water professionals and ask them any questions that you might have about the your career development in the water sector
- But above all, it offers you the great opportunity to meet new people and to establish long-lasting relationships that will go with you through your professional life.

During the three days that you will be at the conference, my only advice will be: make the most of your time, learn from your peers and make it your mission to go come back home with new friends.

The organisers of the 1st Asia Pacific Young Water Professionals Conference have done a great job organising this fantastic event, and I am sure that we all will enjoy our time in Gwangju.

The 2nd IWA Asian-Pacific Young Water Professionals Conference 2009 in Beijing, China

"Water in Transition Region"

Organized by RCEES Chinese Academy of Sciences

Contact: Prof. Qiuwen Chen (Beijing)
RCEES, Chinese Academy of Sciences
qchen@rcees.ac.cn

ORAL PRESENTATION

Session A. WATER RESOURCES AND DRINKING WATER TECHNOLOGIES (ROOM 201)

Session	Title	Presenter (Nationality/Affiliation)
A01	A Project to Supply Safe and Tasty Water	**S. Takahashi** (JAPAN / Yokohama Waterworks Bureau)
A02	Small Hydraulic Structure to Maintain Reliable Water Municipal Supply	**Annie Wulandari** (INDONESIA / University of Indonesia)
A03	Improvement of resolution in direct membrane integrity test by controlling solution surface tension	**J.H Lee** (KOREA / KOREA University)
A04	Breakthrough curve for one dimensional solute transport through a soil column	**Santosh G. Thampi** (INDIA / National Institute of Technology in Kerala)
A05	Analysis of a Nepalese water resources system: stress, adaptive capacity and vulnerability	**Vishnu Prasad Pandey** (NEPAL / University of Yamanashi)
A06	Effect of Algae Growth on the Operation Properties of Drinking Water Treatment System combined with Membrane	**Minkoo Park** (KOREA / KUMHO Engineering & Construction)
A07	Dynamic Change of Nonpoint Source Pollutants during Storm Flow Conditions	**Yi, Qitao** (CHINA / Hanseo University)
A08	Removal of N-Nitrosodimethylamine (NDMA) from Raw Drinking Water by PAC and Mesoporous Silica Adsorption	**Q. Zaib** (PAKISTAN / Hanyang University)
A09	Arsenic occurrence in groundwater of Kathmandu Valley, Nepal	**Saroj K. CHAPAGAIN** (NEPAL / University of Yamanashi)
A10	Tea Drinking Habit for Reducing Copper Concentration in Drinking Water	**Handojo Djati Utomo** (MALAYSIA / University Teknologi Malaysia)
A11	Statistical approaches for surface water quality evaluation	**Seo Jin Ki** (KOREA / Gwangju Institute of Science and Technology)
A12	Occurrence of perchlorate in drinking water sources in KOREA	**Hyun-koo Kim** (KOREA / National Institute of Environmental Research)
A13	Rice Husk Fe-MCM-41 as an Adsorbent for Arsenic Removal	**Suthipong Sthiannopkao** (THAILAND / Gwangju Institute of Science and Technology)
A14	Urban river restoration strategies with respect to the environmental flow for sustainable development, Gwangju River, Korea	**Sung Min Cha** (KOREA / Gwangju Institute of Science and Technology)
A15	Effects of chemical/physical water treatment technologies on removal of retinoic acid receptor agonistic activity in sewage effluent	**Daisuke Inoue** (JAPAN / Osaka University)

Session B. WASTEWATER TREATMENT TECHNOLOGIES (ROOM 202)

Session	Title	Presenter (Nationality/Affiliation)
B01	Influences of chloride ion on electrochemical oxidation of pigment wastewater using Ti/IrO2 tube type electrode	**Jongsik Jeong** (KOREA / Ukseung Chemical Co., Ltd)
B02	Development of a new hollow-fiber module (KIMAS 60) for municipal wastewater treatment	**Moon Sun Kang** (KOREA / Kolon E&C)
B03	Requirement of Existing Primary Settling Tank Retrofitting for Maximizing Internal Carbon Source Usage for Treating Typical KOREAn Sewage	**Mi-Hwa Kim** (KOREA / Hanyang University)
B04	Growth of microalgae in diluted process water of the animal wastewater treatment plant	**Ki Young Park** (KOREA / Konkuk University)
B05	Buffering Capacity in Anaerobic Baffled Reactor Treating Carbohydrate-Protein Wastewater	**Sopa Chinwetkitvanich** (THAILAND / Mahidol University)
B06	Biological nitrogen and phosphorus removal in UCT-type MBR process	**Hansaem Lee** (KOREA / KOREA University)
B07	Influence of the wastewater composition on denitrification and biological p-removal in the S-DN-P-Process: Effect of wastewater fractions (df)	**Hee-Jeong Choi** (KOREA / Kwandong University)
B08	Comparisons of in vitro bioassay with MCF-7 cells and recombinant receptor gene assay in river water and sewage treatment plants, KOREA	**Hyun-young Kim** (KOREA / Gwangju Institute of Science and Technology)
B09	Microbial Risk Assessment in UV Disinfected Wastewater Irrigation on Paddy using E.Coli	**Han-Pil Rhee** (KOREA / Konkuk University)
B10	Evaluation of a Low-Pressure Membrane Filtration for Retrofitting of Water Treatment Plant	**Jihee Moon** (KOREA / Kolon E&C)
B11	Performance of Anaerobic Hybrid Reactor (AHR) in treating synthetic modified-starch wastewater contained high salt concentration	**Benjaphon Suraraksa** (THAILAND / National Center for Genetic Engineering and Biotechnology (BIOTEC))
B12	Process evaluation of BNR process for statistical process control	**Sang Woo An** (KOREA / Hanyang University)
B13	The Performance and Analysis of Natural and Ecological Wastewater Treatment System	**Yeong-Kwon Son** (KOREA / Konkuk University)
B14	Evaluation of full scale BNR plants for piggery wastewater	**S.W. OA** (KOREA /Woosong University)
B15	Harnessing Wastewater by Microbes: Hollow Fiber Type – Microbial Fuel Cell	**Daehee Kim** (KOREA / Gwangju Institute of Science and Technology)

Session C. DESALINATION AND WATER REUSE (ROOM 302)

Session	Title	Presenter (Nationality/Affiliation)
C01	Development of a new membrane fouling index: a novel approach	**S. H. Choi** (KOREA / KOREA University)
C02	A review of NOM fouling models in seawater reverse osmosis process	**Monruedee** (THAILAND /Gwangju Institute of Science and Technology)
C03	Multiple Hybridization using Quantum dot-DNA Probes for Rapid Analysis of Microbial Community on RO Membrane	**Jinwook Lee** (KOREA / Gwangju Institute of Science and Technology)
C04	Negative pressure external membrane bioreactor for domestic wastewater reuse	**Nguyen Thi Thanh Hoan** (VIETNAM / KOREA University)
C05	Surface characterization of reverse osmosis membrane under seawater conditions	**J.H Yang** (KOREA / KOREA University)
C06	Simulation and Optimization of Reverse Osmosis Membrane Networks for Seawater Desalination Plant	**Young Mi Kim** (KOREA /Gwangju Institute of Science and Technology)
C07	Removal Efficiency and Microbial Community in Long- term operated Sub-surface Constructed Wetland for Bathroom Wastewater Treatment and Reuse in Apartment Complex	**Kyoung Hak Hyun** (KOREA / Korea National Housing Corporation)
C08	A Mathematical Model for Predicting the Performance of a Reverse Osmosis Membrane	**Young Geun Lee** (KOREA / Gwangju Institute of Science and Technology)
C09	Chemical aspects of organic fouling of reverse osmosis membranes under seawater condition	**Y.B. Yu** (KOREA / KOREA University)
C10	Application of Quorum Quenching Principles against Biofilm-Formation on an RO Membrane	**Diby Paul** (INDIA / Konkuk University)
C11	Comparison of Fouling Behaviors in Forward Osmosis (FO) and Reverse Osmosis (RO)	**Sangyoup Lee** (KOREA / KOREA University)
C12	Complete prediction of performance of reverse osmosis process using solution-diffusion transport theory	**Phan Vu Xuan Hung** (VIETNAM / Gwangju Institute of Science and Technology)
C13	Biofouling minimization in reverse osmosis membrane processes by integrated biochemical technology based on bacterial signaling control	**M. J. Kim** (KOREA / KOREA University)
C14	Energy Saving Methodology with Controlling Feed Water Temperature and Pressure for SWRO Desalination Process using Genetic Programming	**Seung Joon Kim** (KOREA / Gwangju Institute of Science and Technology)
C15	Photocatalytic Organic Removal for Wastewater Reuse with simultaneous Photocatalytic Hydrogen Production	**H.K. Shon** (Australia / University of Technology, Sydney)

Session D. WATERSHED MANAGEMENT AND PUBLIC HEALTH (ROOM 201)

Session	Title	Presenter (Nationality/Affiliation)
D01	Characterization of heavy metal pollution in river sediment of Hanoi City and its downstream area by multivariate analyses	**Tetsuro Kikuchi** (JAPAN / Meisei University)
D02	Sequential application of principal component analysis and autocorrelation Analysis for interpreting the seasonal variation of water quality in the Yeongsan Reservoir, Korea	**Kyung Hwa Cho** (KOREA / Gwangju Institute of Science and Technology)
D03	Application of bioassay and chemical analysis to the urban dust and surface runoff at a mega city (Gwangju, KOREA)	**Thuy Chung Nguyen** (VIETNAM / Gwangju Institute of Science and Technology)
D04	Influence of Surface State of Paddy Fields on Pollutant Load Outflow in Non-irrigation period	**Hyungjun LEE** (KOREA / Tottori University)
D05	Occurrence of estrogenic compounds in Korea in comparison to other Asian countries	**Cuong Duong** (VIETNAM/ Gwangju Institute of Science and Technology)
D06	Development of Statistical Linear Regression Model for Metals from Transportation Landuses	**Marla C. Maniquiz** (PHILIPPINES / Kongju National University)
D07	Eutrophication management using control of hydrodynamic parameter from water quality modeling in integrated reservoirs, Korea	**Yongeun Park** (KOREA / Gwangju Institute of Science and Technology)
D08	Design of a Water Quality Monitoring Network in a Large River System	**Jung Hyun Choi** (KOREA / Ewha Womans University)
D09	LH-OAT Sensitivity Analysis of LEACHN Model	**Jaewoopark** (KOREA / Hanyang University)
D10	A Comparative Scenario Analysis to reduce Non-point Source Pollution using a SWAT model in an Urban Watershed, Gwangju, KOREA	**Joo-Hyon Kang** (KOREA / Gwangju Institute of Science and Technology)
D11	Development of Water Safety Plans in Tokyo Waterworks	**Kazuki Wako** (JAPAN / Tokyo Metropolitan Government)
D12	Efforts for Improving Water Quality Control using ISO 9001 in Purification Dept. of Yokohama Waterworks Bureau	**H .Kuroko** (JAPAN / Yokohama Waterworks Bureau)
D13	A study of methods to predict dispersion coefficient using ordinary and partial equations	**Seungwon Lee** (KOREA / Gwangju Institute of Science and Technology)
D14	Occurrence of pharmaceutical compounds in estuarine wetland influenced by with wastewater effluent	**Eunkyung Lee** (KOREA / Gwangju Institute of Science and Technology)
D15	Fundamental system on simultaneous removal for phytoplankton and nutrient salt in lakes	**Kazuo TAKI** (JAPAN / Chiba Institute ofTechnology)

Session E. CONVERGENCE WATER TECHNOLOGIES (ROOM 202)

Session	Title	Presenter (Nationality/Affiliation)
E01	Factors Affecting the Reductive Transformation of Nitroaromatics by Zerovalent Iron: Dissolved Anions, Adsorption, Iron Loss, and Possibility of Clogging	**Seok-Young Oh** (KOREA / University of Ulsan)
E02	Simultaneous domestic wastewater treatment and denitrification in an up-flow horizontal channel microbial fuel cell	**H. Y. Ng** (SINGAPORE / National University of Singapore)
E03	Feasibility study of water softening in capacitive deionization	**Seok-Jun Seo** (KOREA / Gwangju Institute of Science and Technology)
E04	Comprehension about microbial metabolites generated by electricigens in MFCs	**Kyoung-Yeol Kim** (KOREA / Gwangju Institute of Science and Technology)
E05	The performance and fouling characteristics of different pore -size submerged ceramic membrane bioreactors (SCMBR)	**H. Y. Ng** (SINGAPORE / National University of Singapore)
E06	Reduction of nitrate by resin-spported nanoscale zero-valent iron	**Sang-Hyup Lee** (KOREA / Korea Institute of Science and Technology)
E07	Investigation of anaerobic bio-hydrogen gas production from organic digester sludge waste under various operational conditions	**Young Haeng Lee** (KOREA / Korea Institute of Science and Technology)
E08	Microbial Fuel Cell Operation with Triiodide ions as cathodic electron acceptor	**Folusho F Ajayi** (NIGERIA / Gwangju Institute of Science and Technology)
E09	Biofilm-community selection during autohydrogenotrophic reduction of nitrate and perchlorate in ion-exchange brine	**Joonhong Park** (KOREA / Yonsei University)
E10	Treatment of carbon materials to enhance capacitance for electrosorption of ions in capacitive deionization systems	**Revocatus L Machunda** (TANZANIA / Gwangju Institute of Science and Technology)
E11	Anaerobic Co-digestion and Biogas Production Using Food Wastewater and Swine Manure By KH-ABC System	**Youngseob Yu** (KOREA / Kumho Engineering & Construction)
E12	Biohydrogen Production from Glucose using Visible Light -harvesting Function of Mg Chlorophyll-a as Photosensitizer	**Mi-Jin Choi** (KOREA / Gwangju Institute of Science and Technology)
E13	Occurrence of Antibiotics in Hospital, Drug Production Facility Effluents and the Rivers in Taiwan	**Tsung-Hsien Yu** (TAIWAN / National Taiwan University)
E14	Assessment of water quality with pathogenic bacteria and antibiotic -resistant Escherichia coli in the Yeongsan River basin, KOREA	**Ha Na Yoo** (KOREA / Gwangju Institute of Science and Technology)
E15	Optimization and Characterization of Nano-composite Electrochemical Bio-label for Detection of Microcystin-LR	**Hye-Weon Yu** (KOREA / Gwangju Institute of Science and Technology)

Session F. ENERGY RECOVERY AND WATER GENERAL (ROOM 302)

Session	Title	Presenter (Nationality/Affiliation)
F01	Selenium nanoparticles produced by Shewanella sp. HN41: size control and formation of selenium nanowire from spherical nanoparticles	**Cuong T. Ho** (VIETNAM / Gwangju Institute of Science and Technology)
F02	Performance of reactive membrane incorporated with iron oxide nanoparticles for arsenic removal	**Hosik Park** (KOREA / Gwangju Institute of Science and Technology)
F03	Effect of thermochemical sludge pretreatment on the performance of the partial sludge recycling A2/O- membrane bioreactor	**Rajesh Banu. J.** (INDIA / Sungkyunkwan University)
F04	Removal characteristic of Mn(II) using manganese coated solids	**Wongee Kim** (KOREA / GreenTec co.)
F05	Performance of electron beam irradiation for treatment of ground water contaminated with acetone	**Yeo Joon Yoon** (KOREA / Yonsei Institute of Environmental Science and Technology)
F06	Improvement of wastewater management: how to set effluent standard	**Ijung Kim** (KOREA / KOREA Institute of Science and Technology)
F07	TCE degradation modeling in soil column: Effect of iron, iron-reducing bacteria, and substrate	**Yeunook Bae** (KOREA / Hanyang University)
F08	Nutrient Removal in a Coir Geotextile Biofilter for the Onsite Treatment of Organic Rich Low Volume Industrial Wastewater	**Santosh .G.Thampi** (INDIA / National Institute of Technology)
F09	Application of Mn-AC and Fe-AC on the treatment of multi-contaminants	**M. R. Yu** (KOREA / Kwangwoon University)
F10	A New GA-based Data Fusion Methodology for Detecting Harmful Algal Blooms	**Taegyun Jeon** (KOREA / Gwangju Institute of Science and Technology)
F11	Screening method for potential wastewaters to be pretreated by zero-valent iron	**J. W. Lee** (KOREA / KOREA University)
F12	Enhanced Bio-Energy Recovery in a Two-Stage Hydrogen/Methane Fermentation Process	**JiHyeon Song** (KOREA / Sejong University)
F13	Determination of Electron Transfer Kinetics in Microbial Fuel Cell	**Phuc Thi Ha** (VIETNAM / Gwangju Institute of Science and Technology)
F14	Antibiotic Resistance E. coli from feces of livestock in Jeollanam-do , South Korea	**Dukki Han** (KOREA / Gwangju Institute of Science and Technology)
F15	Progressive Billing: A Novel Approach to Solve Global Water Crises	**Garg Ankur** (INDIA / Indian Institute of Technology)

POSTER PRESENTATION

Session P. POSTER SESSION

Session	Title	Presenter
P01	Features of hypereutrophication in urbanized area, Bangladesh	Roksana Jahan
P02	Long-Term Trend Analyses of Water Qualities Based on Non-Parametric Statistical Methods	Jung Hyun Choi
P03	Effect of Iron Reducing Bacteria on Nano-scale Zero Valent Iron	Young-Do Park
P04	Source tracking with Escherichia coli in the Yeongsan River, South KOREA using the multiple-antibiotic-resistance profiles	T. Unno
P05	The difference of hydraulic conductivity with tidal effect at costal rock aquifer in Yongho bay, Busan city, KOREA	Tae Yeong KIM
P06	The fluctuation of sea-water/fresh-water transition zone with the tidal effect at coastal rock aquifer in Yongho bay, Busan city, KOREA	Sung Soo KIM
P07	Ozonation of seawater for SWRO desalination plant	Byung Soo Oh
P08	Long-Term Trend Analyses of Water Qualities In Saemangeum Watershed, KOREA Using the Statistical Methods	Hyewon Lee
P09	Microbiological monitoring of acid mine drainage treatment systems and aquatic surroundings using real-time PCR	C. G. Kim
P10	Levels of perfluorootanesulfonate and perfluorooctanoate in river and sediment from KOREA	Ig-chun Eom
P11	The calibration curves for analysis of the protein/carbohydrate and the estimation of passive adsorption using hydrophilic membrane	Jo-Eun Lee
P12	Estimation for Membrane Resistance and Recovery Rate of contaminated hydrophilic membrane through passive adsorption in an activated bioreactor	Sang-Woo Shin
P13	Effects of EBCT and Water Temperature on HAA Removal using BAC Process	Hee-Jong Son
P14	Simultaneous determination of Divalent METAL EDTA complexes in wastewater by Ion Chromatography	Muhammad Shahzad Khurram
P15	Fabrication of Zero Valent Iron(ZVI) Nanotube Film via Potentiostatic Anodization and Electroreduction	Jun-Won Jang
P16	Dynamic parameter estimation to calibrate the activated sludge model for an enhanced biological phosphate removal process	Jongrack Kim
P17	Biofilm/Membrane Filtration for Reclamation and Reuse of Rural Integrated Wastewater	Suk-Ju Lee
P18	Enhanced phosphorous recovery from EBPR sludge in the presence of condensed phosphate	Rajesh Banu. J.
P19	Nitrification monitoring and aeration time control based on DO dynamics in a sequencing batch reactor	D.H. Kim
P20	Reclamation of BNR Process Effluent using Denitrifying filter and Sand filter	Jung-yeol Lee
P21	A Study on the Efficiency of the DAF Process Using Ozone Injection	Chul W., Lee
P22	Prediction of Membrane Fouling in Pilot-Scale Microfiltration System Using Artificial Neural Network Model and Genetic Programming	Tae-Mun Hwang
P23	Application of monitoring & control system for 2-methylisoborneol (MIB) removal by PAC for drinking water treatment	Tae-Mun Hwang
P24	Potential application of membrane bioreactor with nonwoven fabric filter for rural water	Xianghao Ren
P25	Nitrogen removal from an aged landfill by leachate recirculation	Junghun Lee
P26	Application of computational fluid dynamics for Improving the distribution and circulation of sponge media in aerobic basin and sponge-sustaining screen design	Kyu-Jung Chae
P27	Development of Alternative External Carbon Source for Advanced Sewage Treatment System and its Field Applicability Assessment	Byung-Gil Jung
P28	Development and Field Assessment of DO Control System in an Aeration Tank for Automation of Sewage Treatment Plant	Byung-Gil Jung
P29	Application of Coal Ash for Polyvinyl alcohol (PVA) Immobilization of Nitrifying Bacteria for Effective Ammonia-Nitrogen Removal	Sopa Chinwetkitvanich
P30	Enhanced TPH Degradation and Heavy Metal Leaching of Diesel-Contaminated Soil by Hydrogen Peroxide (H_2O_2) in Korea	Byung-Gil Jung
P31	Application of Microwave Heating for Diesel-Contaminated Soil Remediation in Korea	Nak-Chang Sung
P32	Development of Ubiquitous Monitoring System for Management at Influent of Sewage Treatment Plant	Byung-Gil Jung
P33	Application of Ultrasonic System for Enhanced Sewage Sludge Disintegration : A Comparative Study of Single- and Dual- Frequency	Yoo-Jin Jung
P34	Removal efficiency of arsenic by adsorbents having different type of metal oxides	B. K. Kim
P35	Polybrominated diphenyl ethers(PBDEs) and Tetrabromobisphenol-A(TBBPA) in biota, aquatic environments and sediments from industrial complex, KOREA	Eun-ju Kim
P36	Determination of Extremely Low Level 14C-Labeled N-Nitrosodimethylamine Using Liquid Scintillation Counter	Lee Jin
P37	Pilot Testing for novel mathematical model for dissolved organic matter and nitrogen removal by advanced aerated submerged biofilm reactor	Y.-I. Choi
P38	Decolorization and semi-batch continuous treatment of molasses distillery wastewater by Aspergillus tubingensis DCT6	Takashi Watanabe
P39	Enhanced drinking water treatment during sequential treatment of UV/H2O2 followed by Cl2: Microbial inactivation and contaminants degradation	Jae-hong Kim
P40	Fabrication of carbon membranes by pyrolysis of hydrocarbon using a modified chemical vapor deposition	Sang-Dae Bae
P41	Study on mercury-coated electrode for quantum dot-based electrochemical detection of microcystin-LR	Giang Huong Nguyen
P42	Effect of organic/inorganic materials in hybrid module of ceramic MF and GAC adsorption for advanced water treatment	Jin Yong Park
P43	Pretreatments for Sludge Solubilization and Energy Recovery	H.Y. Kim
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