The Sixth International Symposium on Southeast Asian Water Environment Program

			Oct	t 29, 2008			
Excur	sion (8:00-22:00) (Ja	ıtiluhur Dar			ngklung performan	ce, and shop	ping)
			Oct	t 30, 2008			
Regist	ration (8:00-)						
0.00.0	.05	Ope	ning ceremony and	l keynote sp	eech (9:00-10:20)		
9:00-9	1 0	ddrocc					
9:05-9:10 Opening Rector I		address astitut Technologi Bandung					
		Speech					
			Minister of Environ	ment, Repu	blic of Indonesia		
9:40-1	<i>J</i>						
			Executive Director, I	Nanyang En	vironment & Water	Research Ins	stitute, Nanyang
	Technolog	gical Unive	rsity, Singapore	ak (10:20-1	0.45)		
				ak (10:20-1 l (10:45-12:			
Room	A	Room		Room		Room 1)
	ological Process	Room	<u> </u>	C1: Drinking Water		D1: Soil and Sediment	
(1)	C				S	Contam	
A1-1	Lei Zhang			C1-1	M. R. Alavi Moghaddam	D1-1	Reni Desmiarti
A1-2	Rajinikanth			C1-2	Riegel M	D1-2	Sadashiva
	Rajagopal						Murthy.B.M
A1-3	P.C. Sabumon			C1-3	Hiroshi SAKAI	D1-3	Devasena M
			Lunch & Poster 6				
			Session 2	2 (14:15-15:			
	ological Process		ater and	C2: Public Health		D2: Special session:	
(2)		Wastev					on water
		Manag	ement			(by "W	ogy with societies isdom of
							(Suntory), UT)
A2-1	Chavalit	B2-1	Md. Mafizur	C2-1	Aya Yajima	D2-1	Yoshiyuki Yokoo
	Ratanatamskul		Rahman				•
A2-2	Chandrajit	B2-2	Vishnu P.	C2-2	A. A. Kazmi	D2-2	Kensuke Fukushi
A2-3	Balomajumder	D2 2	Pandey	C2 2	Talaalai	D2 2	Datas Habassas
A2-3	Md. Zahangir Alam	B2-3	Somtip Danteravanich	C2-3	Takayuki Miura	D2-3	Peter Hehanussa
	Algili			al: (15,45 1			
				<u>ak (15:45-1</u> 3 (16:15-17:			
43. Di	ological Process	P3. 11.		(10.13-17.	 3)	D3. Sn	ecial session:
A3: Biological Process (3)		B3: Urban Environment and Monitoring					on water
(-)			8				ogy with societies
						(by "W	isdom of Water"
						(Suntor	
A3-1	Deokjin Jahng	B3-1	Pham Van Quan			D3-1	Kumiko Oguma
122	Handraryan	D2 2	Divino			D2 2	Michie

D3-2

D3-3

Michio

Neni

Murakami

Sintawardani

B3-2

B3-3

Dwina

Roosmini

Shatirah Akib

Conference dinner (18:00-)

A3-2

A3-3

Hendrawan

Limpiyakorn

Saputra

Tawan

	Oct	31, 2008	
Room A	Room B	Room C	
_	Session 4	4 (8:00-9:30)	
A4: Special session: Towards Sustainability in Water Systems (by IR3S, UT)	B4: Physicochemical process (1)	C4: Solid Waste Management for Water Environment	
A4-1 Makhan Maharjan A4-2 Sok Chea Hak	B4-1 Punyapalakul Patiparn B4-2 E. S. M. Ameen & S. A. Muyibi	C4-1 S.M. A. Islam C4-2 Charongpun Musikavong	
A4-3 N.A. Molla	B4-3 N. H. Ahmad Tarmizi	C4-3 Chart Chiemchaisri	
	Coffee bre	eak (9:30-9:50)	
	Session 5	5 (9:50-11:20)	
A5: Special session: Towards Sustainability in Water Systems (by IR3S, UT)	B5: Physicochemical process (2)	C5: Groundwater	
A5-1 Carlos M. Pascual	B5-1 Radhiyah Abd Aziz	C5-1 Gemunu Herath	
A5-2 Mongtoeun Yim	B5-2 Mohammed S. Jami	C5-2 Setiawan Wangsaatmaja	
A5-3 Chengwen Wang	B5-3 Cao The Ha	C5-3 Sri Wahyuni	

	Session Supported by "Wisdom of	of Water" (Suntory), Corporate Sponso	red Research Program, UT
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Session Supported by Integrated Research System for Sustainability Science (IR3S)

List of Paper for Oral Presentation

October 30 Session 1 (10:45-12:15)

A1:	Biological Process (1)		
A1-1	Enhanced Anaerobic Digestion of Linoleic Acid Containing Piggery Wastewater		
	Lei Zhang* and Deokjin Jahng Myongji University, Korea		
A1-2	Development And Evaluation of A Hybrid UASB-UAF Reactor Using Low-Density Packing Media		
	1) 2)R. Rajinikanth, 1)P. Kumar*, 1)I.Mehrotra and 3)M. Torrijos. 1)Indian Institute of Technology, India. 2) Kumaraguru College of Technology, India. 3) Laboratorire de Biotechnologie de l'Environment, France		
A1-3	Evidence of Anoxic Ammonia Oxidizing and Denitrifying Mixed Cultures as Natural		
	Partners For Nitrogen Removal From Diverse Ecosystem Containing Organic Carbon P.C. Sabumon*. VIT University, India		
C1:	Drinking Water		
C1-1	Investigation of Nitrate Concentration in Tap Water of Arak City, Iran		
	1)Mohamad Saeed Moghadasi, 1)Mohammad Reza Alavi Moghaddam*, 1)Reza Maknoun and 2)Abdol Reza Moghadasi. 1)Amirkabir University of Technology, Iran; 2)University of Arak, Iran.		
C1-2	Elimination of Trace Heavy Metals from Drinking Water by Means of Weakly Basic Anion Exchangers		
	1)Riegel M*, 2)Schlitt V, and 1)Höll W H. 1)Institute of Technical Chemistry, Germany;		
C1-3	2)Technologiezentrum Wasser, Germany Control of Cyanobacterial Bloom and Cyanotoxin Occurrence by UV Irradiation		
C1-3	Hiroshi SAKAI*, Hiroyuki KATAMAYA, Kumiko OGUMA, and Shinichiro OHGAKI. <i>The University of</i>		
	Tokyo, Japan		
D1:	Soil and Sediment Contamination		
D1:	Model Analysis of Behavior of Oxytetracycline and Natural Estrogens in Sediment Mud		
	Model Analysis of Behavior of Oxytetracycline and Natural Estrogens in Sediment Mud Column		
D1-1	Model Analysis of Behavior of Oxytetracycline and Natural Estrogens in Sediment Mud Column Reni Desmiarti*, Fusheng, Roza Amelia and Chihiro Yoshimura. Gifu University, Japan Fate of Nitrate And Phosphate Through Agricultural Sub-Soil Environment Sadashiva Murthy. B.M*, Ramesh. H.S. & Mahadevaswamy. M. Sri Jayachamarajendra College of		
D1-1 D1-2	Model Analysis of Behavior of Oxytetracycline and Natural Estrogens in Sediment Mud Column Reni Desmiarti*, Fusheng, Roza Amelia and Chihiro Yoshimura. Gifu University, Japan Fate of Nitrate And Phosphate Through Agricultural Sub-Soil Environment Sadashiva Murthy.B.M*, Ramesh. H.S. & Mahadevaswamy. M. Sri Jayachamarajendra College of Engineering, India		
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D1-1 D1-2 D1-3 Session A2: A2-1	Model Analysis of Behavior of Oxytetracycline and Natural Estrogens in Sediment Mud Column Reni Desmiarti*, Fusheng, Roza Amelia and Chihiro Yoshimura. Gifu University, Japan Fate of Nitrate And Phosphate Through Agricultural Sub-Soil Environment Sadashiva Murthy.B.M*, Ramesh. H.S. & Mahadevaswamy. M. Sri Jayachamarajendra College of Engineering, India Quantification of Residual Mercury in The Subsurface Devasena M* and Indumathi M Nambi. Indian Institute of Technology Madras, India 1 2 (14:15-15:45) Biological Process (2) Performance Evaluation of A Pilot-scale Submerged Membrane Bioreactor (SMBR) for Potential Reuse of Department Store Wastewater Chavalit Ratanatamskul* and Preeyanooch Saenkoch. I)Chulalongkorn University, Thailand Effect of Process Parameters on Adsorptive and Bio-removal of Cyanide Compounds from Contaminated Water 1)Rajesh R. Dash, 2)Ritesh R. Dash, 3) Chandrajit Balomajumder* and 3)Arvind Kumar I)National Institute of Technology Hamirpur, India; 2)D.S. Toll Roads Ltd., Reliance Energy Ltd., India; 3)Indian Institute of Technology Roorkee, India		

B2 :	Water and Wastewater Management
B2-1	Water Resources and Sustainability Issues in Bangladesh
	Shahriar Quayyum, Syeda Farhana Rahman, Md. Mafizur Rahman*. Bangladesh University of Engineering & Technology, Bangladesh
B2-2	Effect of Scale on Adaptive Capacity of Water Resources System: A Case Study From a
	Nepalese River Basin
	1) Vishnu P. Pandey*, 2) Mukand S. Babel, 3) Sangam Shrestha, and 1) Futaba Kazama. 1) University of Yamanashi, Japan; 2) Asian Institute of Technology, Thailand; 3) Institute for Global Environmental Strategies, Japan
B2-3	Management of effluent from STR20 industry in Southern Thailand
	1)2)Somtip Danteravanich*. 1)Prince of Songkla University, Thailand; 2)Chulalongkorn University, Thailand
C2:	Public Health
C2-1	Clonorchiasis Infection and Aquaculture Environment in The Red River Delta, Vietnam
	1) Aya Yajima*, 2) Dung Do Trung, 2) Thach Dang Thi Cam, 3) Antonio Montresor and 1) Hisashi Kurokura. 1) The University of Tokyo, Japan; 2) National Institute of Malariology, Vietnam; 3) World Health Organization, Vietnam
C2-2	Coliforms and Pathogen Removal Efficiency of Various Municipal Wastewater Treatment
	Processes in India
	1) Vinay Kumar Tyagi, A. A. Kazmi*, 2) A. K. Chopra. 1) Indian Institute of Technology Roorkee, India;
	2)Gurukul Kangri University, India
C2-3	Evaluation of Detection Methods Targeting Host-Specific Bacteroides Spp. as a Microbial
	Source Tracking Marker
	Takayuki Miura*, Yuen Man Chan, Yoshifumi Masago and Tatsuo Omura. <i>Tohoku University, Japan</i>

D2: Special session: Dialogs on water technology with societies (Supported by "Wisdom of Water" (Suntory), Corporate Sponsored Research Program, UT)

D2-1 Representative elementary watershed (REW) modeling approach: A history and a new direction of water balance modeling

Yoshiyuki Yokoo ^{1, 2*)} and Taikan Oki ²⁾ 1) "Wisdom of Water" (Suntory) Corporate Sponsored Research Project, Organization for Interdisciplinary Research Projects, The University of Tokyo, 2) Institute of Industrial Science, The University of Tokyo

D2-2 Arsenic in the environment – microbial gasification of arsenic

Kensuke Fukushi^{1,*}, S M Atiqul Islam², Khondoker Mahbub Hassan³⁾ and Takashi Hashimoto³⁾ 1)

Integrated Research System for Sustainability Science, The University of Tokyo, 2) Department of Civil

Engineering, Dhaka University of Engineering and Technology, 3) Department of Urban Engineering, The
University of Tokyo

D2-3 The subak water distribution system in Bali; Bridging tradition, religiousness and environmental sustainability

Peter Hehanussa¹⁾ and Gadis Sri Haryani²⁾ 1) Asia Pacific Center for Ecohydrology LIPI 2) Research Center for Limnology LIPI

Session 3 (16:15-17:45)

A3: Biological Process (3) A3-1 Ammonia Stripping of Piggery Wastewater for Enhanced Methanization Lei Zhang, Giyang Oh and Deokjin Jahng*. Myongji University, Korea A3-2 Effect of Salinity in Nitrification and Denitrification With High Ammonia Concentration 1) Hendrawan Saputra*, 2)Raj Boopathy, 1)Tjandra Setiadi. 1) Institut Teknologi Bandung, Indonesia; 2)Nicholls State University A3-3 Effect of Ammonium Loads on Communities of Ammonia-Oxidizing Bacteria and Archaea in Laboratory-Scale Continuous Flow Reactors Puntipar Sonthiphand and Tawan Limpiyakorn. Chulalongkorn University, Bangkok, Thailand

В3:	Urban Environment and Monitoring
B3-1	Surface Water Pollution Due to Discharging From Sewerage System in Downtown of Hanoi Pham Van Quan*, Hiroaki Furumai, Futoshi Kurisu, and Ikuro Kasuga. <i>The University of Tokyo, Japan</i>
B3-2	Ipomoea aquatica as Biomarker on Study of Heavy Metal Pollution in Cidurian, West Java,
B3 2	Indonesia
	Dwina Roosmini*, Mahastuti H. Tjokronegoro, Suphia Rahmawati, Indah Rachmatiah Siti Salami. <i>Institut Teknologi Bandung, Indonesia</i>
B3-3	Management of Integral Bridge's Scour: Environmental Conservation
	Shatirah Akib*, Faridah Othman and Ismail Othman. <i>University of Malaya, Malaysia</i>
D3:	Special session: Dialogs on water technology with societies (Supported by "Wisdom of Water" (Suntory), Corporate Sponsored Research Program, UT)
D3-1	A perspective of communicating microbial health risks based on surveys in Asian water
<i>D</i> 3 1	environment
	Kumiko Oguma ^{1, *)} , Satoshi Takizawa ²⁾ and Thuong Thi Nguyen ³⁾ 1) Department of Urban Engineering, University of Tokyo, 2) Department of Urban Engineering, University of Tokyo, 3) National Institute for Urban and Rural planning, Ministry of Construction
D3-2	Infiltration potential of urban road runoff for groundwater replenishment toward a self-
	regulated urban water cycle Michio Murakami ^{1,*} and Hiroaki Furumai ²⁾ 1) "Wisdom of Water" (Suntory), Corporate Sponsored Research Program, Organization for Interdisciplinary Research Projects, The University of Tokyo, 2) Research Center for Water Environment, Graduate School of Engineering, The University of Tokyo
D3-3	Effectiveness of technology approaches to reduce resistance of potential Bio-Toilet Users
	Neni Sintawardani ^{1)*} and Jovita Tri Astuti ²⁾ 1)* Bureau for Cooperation and Promotion of Science and Technology, the Indonesian Institute of Science (LIPI), 2) Research Center for Physics, the Indonesian Institute of Sciences (LIPI)
0.41	21

October 31 Session 4 (8:00-9:30)

- A4: Special session: Towards Sustainability in Water Systems (Supported by Integrated Research System for Sustainability Science (IR3S))
- A4-1 Arsenic Contamination in Groundwater and Skin Manifestations in Three VDC of Kailali District in Terai, Nepal

 1) Makhan Maharjan*, 2)Manen Prasad Gorkhaly, 1)Bhushan Tuladhar and 1)Lerica Gorkhaly.

 1)Environment and Public Health organization, Nepal; 2)Bir Hospital, Nepal
- A4-2 Comparison of tube-well and dug-well groundwater in the arsenic polluted areas in Cambodia

 1)Davin Uy, 1)Sok Chea Hak*, 1)Chanveasna Huy, 1)Malish Srey, 1)Thavarith Chunhieng, 1)Sackona Phoeurng, 2)Hassan M. Nasir and 2)David Fredericks. 1)Institute of Technology, Cambodia; 2)World Health Organization, Cambodia
- A4-3 Household Level Drinking Water Treatment is a paramount necessity: a trial in Dhaka,

 Bangladesh
 1)2)N.A.Molla*, 3)K.A.Mollah, 1)A. Hossain. 1)Bangladesh Council for Scientific and Industrial Research
 Laboratories, Bangladesh; 2)2Asian Institute of Technology, Thailand; 3)University of Yamanashi, Japan

B4: Physicochemical process (1)

- B4-1 Effects of Crystalline Structures and Surface Functional Groups on Ionic Dyes Adsorption
 By Superparamagnetic Particles Comparing with Modified Mesoporous Silicates
 1)Punyapalakul Patiparn*, 2)Satoshi TAKIZAWA. 1)Chulalongkorn University, Thailand; 2)University of
 Tokyo,Japan
- B4-2 Preparation and Optimization of Production of Powdered Activated Carbon From Industrial Oil Palm Solid Waste

	Emad S. M. Ameen*, Suleyman A. Muyibi*, Nasreldin A. Kabashi, Md. Zahangir Alam, And Mohammed I. Abdulkarim. <i>International Islamic University Malaysia, Malaysia.</i>
B4-3	Development of Nanostructured TiO ₂ Photocatalyst Powder for Water Purification
	Nor Hafizah Ahmad Tarmizi* and Iis Sopyan. International Islamic University Malaysia, Malaysia
<u>C4:</u>	Solid Waste Management for Water Environment
C4-1	Solid Waste Management Scenario in Bangladesh: poses a risk of hazardous chemical emission to air and water
	1)S.M. A. Islam* and 2)K. Fukushi. 1)Dhaka University of Engineering & Technology, Bangladesh; 2)The University of Tokyo, Japan
C4-2	Treatment of Organic Matters in Landfill Leachate by Bioextract juice Pinrat Siripanpong, Chaisri Suksaroj, Thunwadee Tachapattaworakul, Jareerat Sakunrat, and Charongpun
G4.2	Musikavong*. Prince of Songkla University, Thailand
C4-3	Effect of Solid Waste Disposal Operations on Leaching of Organic Pollutants in Tropical Landfill
	Chart Chiemchaisri*, Wilai Chiemchaisri and Ruwini Weerasekara. Kasetsart University, Thailand
Sessio	n 5 (9:50-11:20)
A5:	Special session: Towards Sustainability in Water Systems (Supported by Integrated
AJ.	Research System for Sustainability Science (IR3S))
A5-1	Water Environmental Management and Irrigation Planning Procedures: Irrigation User's
	Participation and Active Involvement 1)Carlos M. Pascual*, 2)Danilo Cablayan, 3)Alfredo B. Valera. 1) Mariano Marcos State University,
	Philippines; 2)Irrigation Water Management Institute-Philippines; 3)Irrigation Water Management Institute,
A5-2	Stri Lanka Storm and Dry Woother Water Quality Characteristics in the Physics Penh Combined Server
A3-2	Storm and Dry Weather Water Quality Characteristics in the Phnom Penh Combined Sewer System
	1)Mongtoeun Yim*, 1)Saneth Vathna and 2)Kim Irvine. 1)Royal University of Phnom Penh, Cambodia; 2)State University of New York, USA
A5-3	Sustainable Treatment of Green Waste And Wastewater Based on Urine-Diverting: A Case
	Study of Beijing Olympic Forest Park in China
	Kangning Xu, Chengwen Wang*. Tsinghua University, PR China.
B5:	Physicochemical process (2)
B5-1	Synthesis of TiO ₂ -SiO ₂ Powder Using Sol-Gel Method for Photocatalyst Applications
	Radhiyah Abd Aziz* and Iis Sopyan. International Islamic University Malaysia, Malaysia
B5-2	Physical and Chemically Enhanced Backwashing in Advanced Wastewater Treatment for Water Reclamation and Reuse
	1)Mohammed S. Jami*, 2)Than Ohn, 3)E. Iritani. 1)International Islamic University Malaysia, Malaysia;
B5-3	2)Aichi Science and Technology Foundation; 3)Nagoya University, Japan Study on Pre-Treatment of Dyeing Wastewater By Wet Air Catalytic Oxidation (WACO)
D 3-3	And Fenton Oxidation (FO)
	1)Cao The Ha*, 2)Vu Ngoc Duy, 1)Nguyen Thanh Mai. 1)The Center for Environmental Technology and Sustainable Development, Vietnam; 2)Vietnam National University, Vietnam.
	заманаого Development, r temam, 27r temam tvationat Oniversity, r temam.
C5:	Groundwater
C5-1	Groundwater Quality Problems and Issues in the Dry-Zone of Sri Lanka with Special
	Reference to Fluoride contamination and the Chronic Kidney Disease Gemunu Herath* and Uditha Ratnayake. <i>University of Peradeniya, Sri Lanka</i>
C5-2	Groundwater Quality Management Evaluation In Bandung Basin, Indonesia
	Rika Winurdiastri, Setiawan Wangsaatmaja*. West Java Environmental Protection Agency, Indonesia
C5-3	Analysis of Water-Level Fluctuations In Aydarkul-Arnasay Lake System And Their
	Influences on The Surrounding Groundwater Level

* indicates presenter