

Title	Contents : Annual Report of FY 2001, The Core University Program between Japan Society for the Promotion of Science(JSPS) and National Centre for Natural Science and Technology(NCST)
Author(s)	
Citation	Annual Report of FY 2001, The Core University Program between Japan Society for the Promotion of Science(JSPS) and National Centre for Natural Science and Technology(NCST). P.3-P.5
Issue Date	2003
Text Version	publisher
URL	http://hdl.handle.net/11094/21295
DOI	
rights	
Note	

Osaka University Knowledge Archive : OUKA

<https://ir.library.osaka-u.ac.jp/>

Osaka University

Contents

1) The Vietnam - Japan Workshop on Groundwater Contamination 2001

Session I

Ground water pollution in HCM City and its prevention - Case study
Tran Van Xuan 1

Ground water pollution at the northern part of HoChiMinh City
Huynh Ngoc Sang, Vo Thi Kim Loan et.al, 8

Groundwater contamination in Hanoi City due to ammonia, arsenic, iron and organic matter
Satoshi Takizawa, Tran Thi Viet Nga, Masafumi Inoue and Khatiwada Nawa Raj 12

Session II

Nitrate leaching under intensive farming and such influencing factors as type of fertilizer and soil
Morihiro Maeda 18

Biological purification of groundwater polluted with nitrogenous compounds
Kenji Furukawa, Rouse D. Joseph, Zafar I. Bhatti, Kenkoh Sumida and Mami Ohta 26

Biological ammonia removal by submerged aerated filter from Hanoi ground water
Cao The Ha, Pham Hung Viet, B. V. Chien, N. Q. Hoa, N. V. Khoi, D. T. Tuyet, T. M. Long, T. H. Nhue 32

Session III

Arsenic distribution in nature and the environmental pollution by arsenic in Vietnam
Mai Trong Nhuan, Pham Hung Viet 40

Pollution of groundwater by leachate from Dong Thanh landfill disposal site
Nguyen Thi Anh Mai, H. A. Nguyen, Q. B. Tran, D. V. Nguyen, H. T. To, T. M. Nguyen, N. T. Tran, D. T. Do, T. T. Diep 48

Groundwater treatment technologies for the national program "Clean water and environmental sanitary" of HoChiMinh City and southern provinces
Lam Minh Triet, Mai Tuan Anh, and Nguyen Thanh Hung 52

Session IV

Bioremediation of groundwater polluted with chlorinated ethylenes
Michihiko Ike, Masanori Fujita 59

Modeling and simulation of bioremediation by phenol-degrading bacteria for TCE-contaminated groundwater
Satoshi Soda, K. Yamaguchi, M. Ike, M. Fujita 67

2) General Seminar on Environmental Science and Technology Issues Related to Urban and Coastal Zone Development

Topic 1

Air pollution caused by exhaust gas from 2 cycle engine in Vietnam
Yasuaki Maeda, Kiyoshi Imamura, Tran Thi Ngoc Lan, Nguyen Thi Phuong Thao, Vu Duc Nam and Pham Hung Viet* 75

Some results of air monitoring quality in Hanoi and assessment of air monitoring methods used in Vietnam	81
<i>Nguyen Thi Phuong Thao*</i> , Yasuaki Maeda, Ta Duc Hoan, Tran Quoc Trung, Tsujino Yoshio, Kiyoshi Imamura, Nguyen Trong Truc, Pham Hai Long, Nguyen Quang Trung, and Ta Thuy Nguyen	
Investigation of arsenic contamination in ground water in Hanoi area	86
<i>Pham Hung Viet*</i> , Le Van Chieu, Tran Hong Con, M. Berg, W. Giger and Yuta Yasaka	
Determination of arsenic (III and V) by anodic stripping Voltammetry on gold film electrode	94
<i>Nguyen Van Hop, Tran Cong Dung, Nguyen Hai Phong, Hoang Thai Long, Nguyen Quang Le, Tu Vong Nghi</i>	
Preliminary survey of arsenic concentrations in waters of different sources in HoChiMinh City and other provinces	102
<i>Dr. Tech.Sc.Bui Cach Tuyen, Chem.Eng.Le Do Hien, B.Sc.Le Dinh Thang</i>	
Adsorptive cathodic stripping voltammetric determination of several heavy metals (Ni, Co, Cu, Pb) in natural waters	105
<i>Tu Vong Nghi*</i> , Hoang Tho Tin, Pham Hung Viet, Chu Xuan Quang, Pham Dinh Cong and Nguyen Van Hop	
Development of polyrrole thin film based solid-contaction selective electrodes for nitrate and nitrite	110
<i>Do P. Quan*</i> , Chu X. Quang, Le The Duan and Pham Hung Viet	
Persistent organochlorine residues and their bioaccumulation profiles in resident and migratory birds from north Vietnam	116
<i>Shinsuke Tanabe, Tu Binh Minh*</i> , Nguyen Duc Hue, and Vo Qui	
Topic 2	
Geochemical sedimentary evolution features of the processes of formation, development and degradation of mangrove forests in Namdinh coastal region, Vietnam	137
<i>Mai Trong Nhuan* and Nguyen Thi Minh Ngoc</i>	
Topography change around river mouth	149
<i>Ichiro Deguchi, Susumu Araki*</i> , and member of Topic-2	
Sediment budget and erosion assessmet of the Haihau coastal zone, Namdinh province, northern Vietnam	158
<i>Mai Trong Nhuan, Do Minh Duc, Dao Manh Tien*</i> , I. Deguchi, and K. Nakastuji	
Environmental sensitivity categories for the shoreline from muine to the mouth of Tien river in response to oil spill hazard	166
<i>Huynh Thi Minh Hang*</i> , and Bui Trong Vinh	
Ecological rehabilitation and restoration of mangrove forests and coastal swamp ecosystems in Vietnam	172
<i>Yoshiaki Kitaya*</i> , Kunio Suzuki, and Toyohiko Miyagi	
Lakescape under urban development in Dong Da district, Hanoi city	181
<i>Nguyen Cao Huan, Phan Duy Nga*</i> , Truong Quang Hai, Tran Anh Tuan, and Kunihiro Narumi	
Determination of variable law of the turbulnet diffusion parameters with time interval in the air environment in Vietnam	185
<i>Pham Ngoc Ho*</i> , and Pham Thi Viet Anh	

	The development and application of the eco-hydrodynamic and environmental modeling system for the estuarine and coastal areas of Vietnam <i>Dinh Vanh Uu*</i> , and <i>Doan Van Bo</i>	192
Topic 3		
	Groundwater contamination due to arsenic, iron, ammonia, and organic matter in Hanoi city, Vietnam <i>Takizawa Satoshi, Tran Thi Viet Nga*</i> , <i>Inoue Masafumi, Khatiwada Nawa Raj, Chu Van Ngoi, and Mai Trong Nhuan</i>	199
	Development of a simple technology to remove arsenic in groundwater based on using "Laterite"-absorbent, a common natural iron ore in Vietnam <i>Nguyen Trong Uyen*</i> , <i>Pham Hung Viet, Tran Hong Con, and Dang Van Doan</i>	207
	Decolorization of orange 16 by bacteria <i>T. Tedjakusuma, Toshihiko Ooi*</i> , and <i>Shin'ichi Kinoshita</i>	213
	Study of treatment of the leachate from landfill site at Namson, Socson, Hanoi <i>Cao The Ha, Nguyen Dinh Han, Nguyen Quoc Hoa, Truong Phuoc Lai, Nguyen Hong Khanh, Duong Dac Tuan, Nguyen Tien Vinh, Nguyen Anh Thao, Nguyen The Dong</i>	220
	Ammonia removal from swine wastewater using an aerobic, anoxic filter at a pilot-scale in Thanh Loc Biostation <i>Nguyen Huu Phuc, Nguyen Duc Canh, Le Cong Nhat Phuong, Ngo Ke Suong Nguyen Tien Thang</i>	229
	Isolation and selection of lipase-producing bacteria in Vietnam <i>Lai Thuy Hien*</i> , <i>Le Phi Nga, Nguyen Thi Thu Huyen, Pham Thi Hang, Vuong Thi Nga, Nguyen Van Long, Masafumi Tateda, and Masanori Fujita</i>	234
	Groundwater contamination with nitrogenous compounds in Kumamoto Prefecture and Hanoi City-Present conditions and adopted countermeasures- <i>Tran Hieu Nhue*</i> , <i>Nguyen Van Tin, Do Hai, Nguyen Viet Anh, Leu Tho Bach, Joseph D. Rouse, and Kenji Furukawa*</i>	239
Miscellaneous		
	Complex systems and mathematical models <i>Masashi Aida, and Atsushi Yagi*</i>	251
Paper Presentation		
	Advanced oxidation treatment of the leachate collected from waste disposal landfill site in Hanoi, Vietnam-Application and its effect <i>Tomonori Ishigaki, Masafumi Tateda, Le Van Chieu, Cao The Ha, Pham Hung Viet, Michihiko Ike, and Masanori Fujita (Topic3)</i>	257
Topic 2	Environmental Creation and Coservation, Activitoies in Fiscal Year 2001 <i>Kunihiro Narumi, Takashi Kyakuno, Shigemori Kanazawa</i>	263
3) Individual Research Paper		
	Determination of nonylphenol and bisphenol A in the leachate collected from waste disposal landfill site in Hanoi, Vietnam <i>Masahiro Asano</i>	268
Indexes		
	Subject Index	273
	Name Index	276