

Joint International Symposium on Sustainable Development and Environmental issues

Join Usage/Joint Research Symposium on Integrated Environmental Studies		
17 December 2019		Chair: Noriko HASEBE
13:00 - 13:10	Welcome address by Prof. Koetsu YAMAZAKI, President of Kanazawa University	
13:10 - 13:15	Seiya NAGAO, Kanazawa University	Introduction of the international symposium "Integrated Environmental Studies"
13:15 - 13:20	Photo session	
Session 1: Atmospheric Environment session		Chair: Atsushi MATSUKI
13:20 - 13:40	Min HU, Peking University	Characteristics of chemical compositions of ambient PM _{2.5} across the Taiwan strait
13:40 - 14:00	Ning TANG, Kanazawa University	Distribution and health risk of indoor and outdoor particulate polycyclic aromatic hydrocarbons of a school classroom in Beijing, China.
14:00 - 14:20	Bin CHEN, Chinese Academy of Sciences	Variation of atmospheric aerosols properties in typical Asian Desert Regions
14:20 - 14:40	E. MUMKHTSETSEG, National University of Mongolia	Sand Fluxes and its vertical distribution in the Gobi region, Mongolia
14:40 - 15:40	Poster session partly supported by MJEDD program	
Session 2: Integrated Environment		Chair: Shinya OCHIAI
15:40 - 16:00	Koji HAMASAKI, Tokyo University	Dynamics of microbes and organic matter at the air-sea interface: insights from an observational study in Tsukumo Bay, Noto Peninsula, Japan
16:00 - 16:20	Hisanori IWAI, Kanazawa University	Separation of polycyclic aromatic hydrocarbon associated with humic substances
16:20 - 16:40	Jr-Chuan HUANG, National Taiwan University	More Efficient Carbon Sink via Chemical Weathering in Low-mountains than High-mountains under Climate Change
Session 3: Marine Environment		Chair: Mutsuo INOUE
16:40 - 17:00	Alexsandr CHARKIN, V.I. Il'chev Pacific Oceanological Institute, FEBRAS	Hydrochemistry and isotopic signatures of submarine groundwater discharge at a section along the Lena River Delta, Laptev Sea
17:00 - 17:20	Genki TERAUCHI, Northwest Pacific Region Environmental Cooperation Center	Spatio-temporal variability of seagrass beds detected by remote sensing in western Nanao Bay
17:20 - 17:40	Tetsuya MATSUNAKA, Kanazawa University	Spatial distribution of seawater polycyclic aromatic hydrocarbon concentrations in Japan Sea
18 December 2019		
Session 4: Marine Environment 2		Chair: Toshio SEKIGUCHI
9:30 - 9:50	Mutsuo INOUE, Kanazawa University	Seawater circulation in the Sea of Japan: Implications from radiocesium
9:50 - 10:10	Hiroto KAWASHIMA, Akita Prefectural University	Source identification for pollution in various environment using stable isotope
10:10 - 10:30	Edward G. NAGATO, Shimane University	The changing nature of microplastics in the aquatic environment
10:30 - 10:50	Witsaroot Sripumkhai, National Electronics and Computer Technology Center	Superhydrophobic surface with antifouling properties for marine applications
10:50 - 11:10	Break	
Session 5: Human Health & Ecosystem		Chair: Ning TANG
11:10 - 11:30	Masato HONDA, Kanazawa University	The pollution of Neonicotinoid insecticides in human around Japan sea area
11:30 - 11:50	Chong HAN, Northeastern University	Size Dependence of the Physical Characteristics of Particles Containing Refractory Black Carbon in Diesel Vehicle Exhaust
11:50 - 12:10	Xia MENG, Fudan University	Estimating PM _{2.5} concentrations in Northeast China using an integrated random forest approach
12:10 - 12:20	Closing remarks by Prof. Seiya NAGAO, Kanazawa University	

Chosen International Symposium on Transboundary Pollution at North-South Transect at Marginal Sea in western Pacific Ocean		
18 December 2019		
		Chair: Noriko HASEBE
13:20 - 13:30	Welcome speech by Prof. Chisato MUKAI, vice president of Kanazawa University	
13:30 - 13:50	Seiya NAGAO, Kanazawa University	Overview of the project "Spatial distribution of trans-boundary pollution and related environmental phenomena in marginal sea area of western Pacific Ocean"
Session 1: Atmospheric Environment		Chair: Yayoi INOMATA
13:50 - 14:10	Kazuichi HAYAKAWA, Kanazawa University	Recent Atmospheric Pollution Caused by Polycyclic Aromatic Hydrocarbons in Far-Eastern Asia — Japan-China-Korea-Russia International Collaboration Study —
14:10 - 14:30	Pham Chau THUY, Vietnam National University of Agriculture	Emission of Polycyclic aromatic hydrocarbon from open burning of rice straw in Hanoi, Vietnam
14:30 - 14:50	Stephen B. POINITNG, Yale NUS	Predicting anthropogenic impact on the atmospheric microbiome
14:50 - 15:10	Teppei J. YASUNARI, Hokkaido University	Wildfire smoke transport to Hokkaido, and our portable PM _{2.5} sensor system for cold regions
15:10 - 15:30	Stephen ARCHER, Auckland University of Technology	The ecology and significance of airborne microorganisms
15:30 - 15:50	Break	
Session2: Marine Environment		Chair: Usio NISHIKAWA
15:50 - 16:10	Nobuo SUZUKI, Kanazawa University	Biological effect of the polycyclic aromatic hydrocarbons (PAHs) : Toxic analysis for the aquatic animals
16:10 - 16:30	Tatiana CHIZHOVA, V.I. Il'chev Pacific Oceanological Institute, FEBRAS	Pollution status of PAHs in surface water of the northwestern coastal zone of the Sea of Japan
16:30 - 16:50	Toshio SEKIGUCHI, Kanazawa University	Investigation of the effect of Polycyclic Aromatic Hydrocarbons on marine invertebrates
16:50 - 17:10	Masato HONDA, Kanazawa University	Biomonitoring of PAH pollution in intertidal area using Wharf roach
17:10 - 17:30	Hiroyuki NAKAMURA, Kanazawa University	Effects of Environmental Chemicals on Allergic Diseases
18:30 - 20:30	BANQUET at hotel KKR	
		Chair: Yoichiro KITANI
19 December 2019		
		Chair: Shinji TSUKAWAKI
9:30 - 9:40	Seiya NAGAO, Kanazawa University	Importance of global research network on atmosphere-marine linkage studies from north to south transect
Session 3: North-South transect network		Chair: Shinji TSUKAWAKI
9:40 - 10:00	Yasushi FUKAMACHI, Hokkaido University	Mooring measurement of sea ice and ocean in the northeastern coastal Chukchi Sea
10:00 - 10:20	Tung-Yuan HO, Research Center for Environmental Changes, Academia Sinica, Taiwan	PM 2.5 trace metal biogeochemistry in the Northwestern Pacific Ocean
10:20 - 10:40	Koji SUZUKI, Hokkaido University	Spatiotemporal variability of phytoplankton populations in surface waters of the North Pacific through ship-of-opportunity observations
10:40 - 11:00	Coffee Break	
Session 3 (continues): North-South transect network		Chair: Keisuke FUKUSHI
11:00 - 11:20	Yugo KANAYA, Japan Agency for Marine-Earth Science and Technology	Evolution of regional air pollution in East Asia: Elucidation of BC emission trend and broadening scope to the Arctic/open oceans
11:20 - 11:40	Ario DAMAR, Bogor Agricultural University, Indonesia	The Eutrophication Status of Jakarta Bay and its Effects on Environment : Oxygen Depletion and Algae Bloom
11:40 - 12:00	Keiichiro HARA, Fukuoka University	Atmospheric sea-salt and halogen chemistry in the Antarctic region
12:00 - 12:20	So KAWAGUCHI, Australian Antarctic Division	Antarctic krill in the Southern Ocean ecosystem: its role and importance
12:20 - 12:40	Barbara BOLLARD, Auckland University of Technology	Low altitude remote sensing for mapping nearshore marine environments
12:40 - 12:50	Poster Award Ceremony	
		Chair: Tetsuya MATSUNAKA
12:50 - 13:00	Closing remarks by Prof. Seiya NAGAO, Kanazawa University	