



IFGTM2020 - AGENDA

Venue: VNU-HUS historical campus, 19 Le Thanh Tong, Hoan Kiem, Ha Noi, Viet Nam

Saturday, November 28, 2020

7:30 - 8:00	Registration and Conference Information Collection (Nguy Nhu Kon Tum Hall)
8.00 - 8.20	Opening Remarks Prof. Dr. Huynh Trung Hai President of Consortium for Green Technology Management and Research (CGTMR) Moderator: Assoc. Prof. Dr. Nguyen Manh Khai Dean, Faculty of Environmental Sciences, VNU - University of Science
8.20 - 8.40	Keynote Speech 1: Bioavailability of Arsenic in Vietnamese Rice Paddies: Moderation and Implication for Mitigation Measures Assoc. Prof. Dr. Nguyen Ngoc Minh VNU - University of Science
8.40 - 9.00	Keynote Speech 2: Dissemination of antimicrobial resistance in water environment in Vietnam Assoc. Prof. Dr. Ikuro Kasuga VNU Vietnam-Japan University, Vietnam The University of Tokyo, Japan
9.00 - 9.20	Keynote Speech 3: Securing a Sustainable Future for Delta Dwellers Dr. Le Thi Van Hue VNU-Central Institute for Natura Resources and Environmental Studies
9.20 - 9.40	Keynote Speech 4: Air pollution monitoring using satellite technology and its application in Vietnam Assoc. Prof. Dr. Nguyen Thi Nhat Thanh University of Engineering and Technology, Vietnam National University Hanoi
9.40 - 10.00	Tea Break Photo Session (Le Van Thiem Hall)



10.00 -12.15	<p>Session 1-1:</p> <p>Water and wastewater treatment</p> <p>Room: Nguy Nhu Kon Tum Hall Chairman: Assoc. Prof. Dr. Tran Viet Nga Co-Chairman: Dr. Do Huu Tuan</p>	<p>Session 2:</p> <p>Waste as resources: policy and technology Plastic waste management behavior and technology</p> <p>Room: Lecture Hall 1 Chairman: Assoc. Prof. Dr. Nguyen Duc Quang Co-Chairman: Assoc. Prof. Dr. Nguyen Phuoc Dan</p>	<p>Session 3:</p> <p>Air quality pollution and control</p> <p>Room: Lecture Hall 2 Chairman: Prof. Dr. Huynh Trung Hai Co-Chairman: Assoc. Prof. Dr. Dao Thanh Son</p>
12.15 - 13.30	Lunch Break (Le Van Thiem Hall)		
13.30-15.00	<p>Session 1-2:</p> <p>Water and wastewater treatment</p> <p>Room: Nguy Nhu Kon Tum Hall Chairman: Assoc. Prof. Dr. Nguyen Thi Ha Co-Chairman: Dr. Nguyen Nhat Huy</p>	<p>Session 4-1:</p> <p>Circular Economic and Sustainable Development Environmental health and ecosystem</p> <p>Room: Lecture Hall 1 Chairman: Assoc. Prof. Dr. Hoang Thi Thu Huong Co-Chairman: Assoc. Prof. Dr. Nguyen Kieu Bang Tam</p>	<p>Session 5-1:</p> <p>Training Workshop</p> <p>Room: Lecture Hall 2 Chairman: Assoc. Prof. Dr. Nguyen Manh Khai Co-Chairman:</p>
15.00 - 15.30	Tea Break (Le Van Thiem Hall)		
15.00 - 15.30	Poster session (Le Van Thiem Hall)		
15.30 - 16.30	<p>Session 1-3:</p> <p>Water and wastewater treatment</p> <p>Room: Nguy Nhu Kon Tum Hall Chairman: Assoc. Prof. Dr. Tran Van Quang Co-Chairman : Dr. Tran Van Son</p>	<p>Session 4-2:</p> <p>Environmental health and ecosystem</p> <p>Room: Lecture Hall 1 Chairman: Assoc. Dr. Nguyen Van Cong Co-Chairman: Assoc. Dr. Hoang Anh Le</p>	<p>Session 5-2:</p> <p>Training Workshop</p> <p>Room: Lecture Hall 2 Chairman: Dr. Do Huu Tuan Co-Chairman:</p>
16.30 - 17.00	Sum up Session (Nguy Nhu Kon Tum Hall)		



IFGTM2020 - Oral Session 1: Water and wastewater treatment

10.00-12.15	Session 1-1: Water and wastewater treatment Room: Nguy Nhu Kon Tum Hall Chairman: Assoc. Prof. Dr. Tran Viet Nga Co-Chairman: Dr. Do Huu Tuan
10.15 - 10.30	(IFGTM-52) Modifying Waste Polystyrene to Ion Exchange Material: Optimizing the Sulfonation Process and Column Study for the Removal of Cr³⁺ Pham Thi Thuy, Nguyen Quoc Hung, Nguyen Manh Khai
10.30 - 10.45	(IFGTM-18) Application of Biopolymer Extracted from Wastewater Sludge for Reactive Dyes Removal Nguyen Thanh Dong, Dinh Xuan Hoang, Nguyen Thi Thu Trang, Tran Van Quy, Nguyen Minh Phuong, Rajeshwar Dayal Tyagi, Nguyen Viet Hoang
10.45 - 11.00	(IFGTM-23) Influence of operational parameters (hydrodynamics and UV irradiation intensity) on the degradation of methylene blue by UV/TiO₂ in an annular reactor Duc Chinh Pham, Thi Huong Quynh Phan, Manh Cuong Pham, Thanh Dong Nguyen, Thu Trang Nguyen, Minh Tan Nguyen
11.00 - 11.15	(IFGTM-32) Study on Different Factors Affecting COD Removal Capacity of Halanaerobium Lacruisei in Saline Wastewater Nguyen Thuy Chung, To Thi Duc Hanh, Nguyen Xuan Binh, Dinh Quang Hung, Vu Ngoc Thuy, Bui Ngoc Huong, Pham thi Thuy Dung, Nguyen Kim Anh
11.15 - 11.30	(IFGTM-41) SiO₂/N,S-TiO₂ Coating: Synthesis, Physical Characterization and Photocatalytic Evaluation on Removal Antibiotic Nguyen Thuy Linh, Nguyen Thi Hanh, Nguyen Manh Khai, Pham Thi Thuy
11.30 - 11.45	(IFGTM-48) Synthesis and Investigation of a Novel Nanocomposite for Improving Solar Radiation Absorbance of MD Membranes Kim Thanh Nguyen, Hung Cong Duong, Lan Thi Thu Tran
11.45 - 12.00	(IFGTM-11) Water Risk Management of Hanoi Urban Environment towards 2030's Sustainable Urban Spatial Development Nguyen Viet Hung, Nguyen Tien Hiep
12.00 - 12.15	(IFGTM-62) Application of electrochemical plasma on iron electrodes for treating 2,4-dichlorophenoxyacetic acid (2,4-D) and 2,4,5-trichlorophenoxyacetic acid (2,4,5-T) in water environment. Tran Van Cong, Nguyen Duc Hung, Tran Thi Ngoc Dung, Nguyen Van Hoang



12.15 - 13.30	Lunch Break (Le Van Thiem Hall)
13.30-15.00	Session 1-2: Water and wastewater treatment Room: Nguy Nhu Kon Tum Hall Chairman: Assoc. Prof. Dr. Nguyen Thi Ha Co-Chairman: Dr. Nguyen Nhat Huy
13.30 - 13.45	(IFGTM-64) Evaluation of Urban Drainage System and Flooding Status in Ninh Kieu District Nguyen Thanh Ngan, Nguyen Dinh Giang Nam, Lam Van Thinh, Nguyen Hieu Trung
13.45 - 14.00	(IFGTM-67) Fabrication of thin film nanocomposite nanofiltration membrane incorporating with cellulose nanocrystals for removal of heavy metals Minh Trang Hoang, Tien Duc Pham, Manh Khai Nguyen, Thi Thuy Pham, Bart Van der Bruggen
14.00 - 14.15	(IFGTM-71) Removal Algae from Eutrophicaltion Lake by Low Cost Adsorbent Created from Biochar Activated by Composting Process Hong Pham Thi, Hoa Nguyen Thanh, Thu Ninh Thi, Quang Nguyen Tien, Thu-Huong Thi Hoang
14.15 - 14.30	(IFGTM-82) Evaluation of Performance Indicators of Selected Water Companies in Vietnam Viet-Anh Nguyen, Hoa Hien Thi Tran
14.30 - 14.45	(IFGTM-107) Assessing the current state of water quality of Buong's sub-basin and proposing sollutions for water management in Dong Nai province Hoang Le Thao Hien, Le Truong Ngoc Han, Nguyen Vu Duc Thinh, Le Quoc Tuan
14.45 - 15.00	(IFGTM-115) Combination Bio-Coagulation and Fenton-like Activated by Zero-Valent Iron Processes for the Removal of Organic Matter from Mature Landfill Leachate Nguyen Phuong Van, Nguyen Thi Phuong, Tran Thi Thao Phuong, Pham Chi Thanh, Cao Thi Hue , Nguyen Thanh Hoa
15.00 - 15.30	Tea Break (Le Van Thiem Hall)
15.00 - 15.30	Poster session (Le Van Thiem Hall)



15.30-16.30	Session 1-3: Water and wastewater treatment Room: Nguy Nhu Kon Tum Hall Chairman: Assoc. Prof. Dr. Tran Van Quang Co-Chairman: Dr. Tran Van Son
15.30 - 15.45	(IFGTM-119) Growth and Metal Removal Efficiency of the Green Algae <i>Schroederia Selenastrum Bibraianum</i> exposed to nickel, zinc, and cadmium Nguyen Van Tai, Vo Thuy Nhu Quynh, Tran Vinh Quang, Vo Thi My Chi, Bui Thi Nhu Phuong, Trinh Bao Son, Dao Thanh Son
15.45 - 16.00	(IFGTM-137) Study on Advanced Treatment of Wastewater by Ultra Filtration for Reusing Purpose - on - site Pilots Tran Thuy Anh, Tran Duc Minh Hai, Nguyen Danh Tien, Tran Duc Ha
16.00 - 16.15	(IFGTM-141) Arsenic Removal from Water by Mn/Mg/Fe Layered Double Hydroxides Thi Hai Nguyen, Hai Nguyen Tran, Quoc Bien Nguyen, Tien Vinh Nguyen, Saravanamuthu Vigneswaran, Van Tuyen Trinh, Thanh Dong Nguyen, Thi Hoang Ha Nguyen, Trong Nhuan Mai
16.15 - 16.30	(IFGTM-143) Activated Carbon Fabricated from Vietnamese Sugarcane Bagasse for Removal of Ciprofloxacin from Aqueous Solution: Preparation, Characterization and Kinetic Studies Lam Van Tan, To-Uyen T. Dao, Hong Tham T. Nguyen, Trinh Duy Nguyen, Long Giang Bach
16.30 - 17.00	Sum up Session (Nguy Nhu Kon Tum Hall)



IFGTM2020 - Oral Session 2: Waste as resources: policy and technology | Plastic waste management behavior and technology

IFGTM2020 - Oral Session 4: Circular Economic and Sustainable Development | Environmental health and ecosystem

10.00-12.15	Session 2: Waste as resources: policy and technology Plastic waste management behavior and technology Room: Lecture Hall 1 Chairman: Assoc. Prof. Dr. Nguyen Duc Quang Co-Chairman: Assoc. Prof. Dr. Nguyen Phuoc Dan
10.15 - 10.30	(IFGTM-16) Study on Sludge Treatment by the Aerobic Stabilization Process Combined with Bulking Agent and Heated Air Supply Vo Diep Ngoc Khoi, Makoto Tokuoka, Shuhei Tanaka, Phan Nhu Thuc, Tran Van Quang
10.30 - 10.45	(IFGTM-56) A Waste Collection Input Output Analysis: The Case of Vietnam Ta Thi Yen, Nguyen Thi Anh Tuyet
10.45 - 11.00	(IFGTM-90) Mechanical Properties of Steel Slag Replaced Mineral Aggregate for Road Base/Sub-Base Application Based Vietnam and Japan Standard Dang Tung Dang, Manh Tuan Nguyen, Tan Phong Nguyen, Tomoo Isawa, Yasutaka Ta, and Ryoichi Sato
11.00 - 11.15	(IFGTM-100) Steel Slag Quality Control for Road Construction Aggregates and Its Environmental Impact: Case Study of Vietnamese Steel Industry - Leaching of Heavy Metals from Steel Making Slag Nguyen Lan Huong, Nguyen Tien Dung, Tran Thi Viet Nga, Nguyen Duc Luong, Nguyen Thi Huong, Nguyen Hoang Giang, Nguyen Tan Phong, Isawa Tomoo, Ta Yasutaka, Sato Ryoichi
11.15 - 11.30	(IFGTM-103) Study on Co-incineration of Solid Waste in Boiler at Cheng Yang Paper Mill Co., Ltd and Kraft Vina Paper Co., Ltd Phung Chi Sy, Phung Anh Duc
11.30 - 11.45	(IFGTM-114) Generation of GIS Database for Waste Transportation Route Optimization in Lien Chieu District - Da Nang City Le Ngoc Hanh, Venkatesh Raghavan, Tran Thi An
11.45 - 12.00	(IFGTM-15) Research on Artificial Intelligence (AI) Application Ability on Plastic Bottle Monitoring in Coastal Zone Huu Tuan Do, Anh Duy Tran, Lan Anh Phan Thi, Thuy Hanh Pham
12.15 - 13.30	Lunch Break (Le Van Thiem Hall)



13.30-15.00	Session 4-1: Circular Economic and Sustainable Development Environmental health and ecosystem Room: Lecture Hall 1 Chairman: Assoc. Prof. Dr. Hoang Thi Thu Huong Co-Chairman: Assoc. Prof. Dr. Nguyen Kieu Bang Tam
13.30 - 13.45	(IFGTM-145) Environmental Pollution and Health Risks of Heavy Metals in Informal E-waste Processing Village in Vietnam Hien Thi Thu Ngo, Pensri Watchalayann, Li Liang, Diep Bich Nguyen, Hai Ngoc Doan
13.45 - 14.00	(IFGTM-133) Mass-balance Assimilative Capacity Modeling for Nam Mu River in Lai Chau Province, Vietnam Cuong Tran Thien, Hai Luu Duc, Son Pham Hung, Hung Pham Anh, Thuy Tran Van, Tuan Le Anh, Duc Le, Tuan Vu Dinh
14.00 - 14.15	(IFGTM-135) Reusing Wastewater in Intensive Swine Farms: Selected Case Studies in Vietnam Nguyen Thi Huong Giang, Vu Ngoc Hieu, Luong Duc Anh, Cao Truong Son, Ngo The An
14.15 - 14.30	(IFGTM-138) End-of-Life Vehicles Management and Initial Estimation of the Material Flow from ELV in Vietnam Duc-Quang Nguyen, Tien-Thanh Nguyen, Tien-Cuong Vu, Trong-Duong Nguyen, Hoang-Hiep Pham, Trung-Hai Huynh
14.30 - 14.45	(IFGTM-29) Evaluation on the Carbon Accumulation on <i>Melaleuca cajuputi</i> Forest in U Minh Ha National Park of Ca Mau, Vietnam Le Tan Loi, Nguyen Xuan Hoang, Nguyen Ngoc Duy, Nguyen Tan Truyen
14.45 - 15.00	(IFGTM-80) Assessment of Arsenic Exposure in Phu Cat Airbase Area Bui Duy Linh, Hoang Anh Le, Nghiem Xuan Truong, Han Duy Linh
15.00 - 15.30	Tea Break (Le Van Thiem Hall)
15.00 - 15.30	Poster session (Le Van Thiem Hall)
15.30-16.30	Session 4-2: Environmental health and ecosystem Room: Lecture Hall 1 Chairman: Assoc. Dr. Nguyen Van Cong Co-Chairman: Assoc. Dr. Hoang Anh Le
15.30 - 15.45	(IFGTM-94) Indoor and Outdoor Relationships of Particle with Different Sizes in an Apartment in Hanoi: Mass Concentration and Respiratory Dose Estimation Vo Thi Le Ha, Van Dieu Anh, Nguyen Thi Thu Hien, Nghiem Trung Dung, Yoko Shimada, Minoru Yoneda
15.45 - 16.00	(IFGTM-113) Combination Impact of pH and Temperature on the Toxicity of Lead on Zooplankton in the context of Global Warming Pham Thi Hong, Nguyen Thi Thu Hien, Nguyen Thuy Chung, Le Thi Thu Ha, Nguyen Quang Hung, Nguyen Chi Cuong, Hoang Thi Thu Huong
16.00 - 16.15	(IFGTM-127) Quantifying Aquaculture Productiveness in Hoa Binh Reservoir Using Carrying Capacity and Water Quality Indices Phan Thi Ngoc Diep, Nguyen Duc Binh, Pham Thi Thu Ha, Paul Liew, Nguyen Thanh Tung
16.15 - 16.30	Production and applications of activated carbon in agroecosystems Vu Dinh Tuan, AC House
16.30 - 17.00	Sum up Session (Nguy Nhu Kon Tum Hall)



IFGTM2020 - Oral Session 3: Air quality pollution and control IFGTM2020 - Session 5: Training Workshop	
10.00-12.15	Session 3: Air quality pollution and control Room: Lecture Hall 2 Chairman: Prof. Dr. Huynh Trung Hai Co-Chairman: Assoc. Prof. Dr. Dao Thanh Son
10.15 - 10.30	(IFGTM-140) Size Distribution and Contribution of Particles from Rice Straw Open Burning to the Atmosphere in Hanoi Pham Chau Thuy, Hoang Anh Le, Le Huu Tuyen, Nghiem Trung Dung
10.30 - 10.45	(IFGTM-122) Scenario analysis on road transport service: energy consumption and GHG emissions Pham Thi Hue, Nguyen Thi Anh Tuyet, Hoang Xuan Co
10.45 - 11.00	(IFGTM-129) Determination and Toxicity Evaluation of Some Estrogen Receptor Agonists in Dust Particles Using Er-calux Gene Expression Method Nguyen Thanh Trung, Nguyen Minh Tue, Go Suzuki, Shin Takahashi, Shinsuke Tanabe, Tran Thi Hong, Le Huu Tuyen
11.00 - 11.15	(IFGTM-131) Field Study of Visitors' Behavior in Incense Burning and Its Induced Air Pollution Assessment and Treatment Nguyen Thi Thuy, Dang Thi May, Duong Ngoc Phuong Thao, Nguyen Tan Phong, Nguyen Duc Dat Duc, Dang Van Thanh, Nguyen Trung Thanh, Nguyen Nhat Huy
11.15 - 11.30	(IFGTM-139) Associated Factors to Knowledge - Attitude - Practice about Air Pollution among Students of Thang Long University, Hanoi, Vietnam in 2020 Do Anh Ngoc, Nguyen Thi Huyen Trang
11.30 - 11.45	(IFGTM-27) Low - cost Sensor Platform for Air Quality Monitoring in Hanoi Hoang Anh Le, Nguyen Viet Thanh, Lee Seung-Bok, Nguyen Son Tung, Nguyen Dat, Bui Duy Linh
12.15 - 13.30	Lunch Break (Le Van Thiem Hall)
13.30-15.00	Session 5-1: Training Workshop Room: Lecture Hall 2 Chairman: Assoc. Prof. Dr. Nguyen Manh Khai
15.00 - 15.30	Tea Break (Le Van Thiem Hall)
15.00 - 15.30	Poster session (Le Van Thiem Hall)
15.30-16.30	Session 5-2: Training Workshop Room: Lecture Hall 2 Chairman: Dr. Do Huu Tuan
16.30 - 17.00	Sum up Session (Nguy Nhu Kon Tum Hall)



**IFGTM2020 - Poster Session
(Le Van Thiem Hall)**

Position	Presentation ID and Title
P.01	(IFGTM-33) Synthesis of Zeolite-activated Carbon Composite for Removal of Ammonium from Aqueous Solutions Pham Thi Yen, Nguyen Thanh Dong, Nguyen Viet Haong, Pham Tuan Linh, Nguyen Thi Thu Trang
P.02	(IFGTM-39) A Study on Combintaion of Biochar and Activated Sludge for Removing Ammonium from Low C/N Ratio Wastewater Ngoc-Thuy Vu, Khac-Uan Do
P.03	(IFGTM-58) Study of Phenol Decomposition Conditions in Improved Sunlight Photocatalytic Reaction System and Removal of Catalytic Nanomaterials Post Treatment Le Duy Khanh, Nguyen Thi Lien Thuong
P.04	(IFGTM-74) Research Method for Assessing the Potential of Solar Energy Source in Thanh Hoa Province Pham Anh Hung, Nguyen Ngoc Huyen, Nguyen Quoc Viet, Tran Thien Cuong, Le Sy Chinh.
P.05	(IFGTM-75) Determination of Cyclamate Content in Some Food Products Using UPLC-MS/MS Thi Ha Nguyen, Bich Nu Nguyen, Van Anh Ngo, Manh Khai Nguyen, Kieu Hung Nguyen
P.06	(IFGTM-78) Effect of Inhibitors on the Degradation of Perfluorooctanoic Acid (PFOA) by Ultrasonic-Assisted Inorganic Anions Huu Tuan Do, Lan Anh Phan Thi, Hoang Nguyen Binh, Kim Tien Anh, Bui Ky Anh, Nguyen Thi Quynh, Truong Thi Kim, Nguyen Thanh Dam
P.07	(IFGTM-79) A Study on Using Modified Powder of Corchorus Capsularis to Remove Tetracycline Group from Water Le Van Trong, Nguyen Thi Thanh Hang, Nguyen Manh Khai, Do Quang Huy, Tran Van Son



P.08	(IFGTM-84) Material Flow Analysis for Production Line and Wastewater Treatment in Brewery Industry. Recommendations for Cleaner Production Solutions Tran Thanh Huyen, Nguyen Viet Anh, Tran Thu Huong, Nguyen Tra My
P.09	(IFGTM-88) Survey on the Concentration of Radon (222RN) and Radium (226RA) in Domestic Water in Bac Tu Liem District, Hanoi City Nguyen Van Dung, Vu Thi Lan Anh
P.10	(IFGTM-106) High Photocatalytic Activity of Magnetic Composite Photocatalyst NiFe₂O₄/BiVO₄ for Rhodamine B Degradation under Visible LED Light Irradiation Minh Que Pham, Linh Xuan Nong, Vinh Huu Nguyen, Thuan Van Tran, Dai-Viet N. Vo, Long Giang Bach, Thanh-Danh Nguyend, Xuan-Thanh Bui, Trinh Duy Nguyen
P.11	(IFGTM-108) A Comprehensive Investigation of the Factors Affecting the Treatment of TNT Redwater by Coagulation and Electro-Fenton Nguyen Trung Dung, Nguyen Quang Dat, Hoang Xuan Thao, Le Thanh Son, Nguyen Nhat Huy, Nguyen Manh Khai, Tran Viet Thu
P.12	(IFGTM-126) Estimation of Concentration of Some Water Quality Parameters of Red River Downstream, Vietnam by Using Remote Sensing Data and Spatial Regression Method Trinh Thi Tham, Trinh Le Hung, Trinh Thi Thuy, Vu Thi Mai, Chu Vu Hai, Le Thi Trinh
P.13	(IFGTM-142) Assessment of Total Concentrations of Heavy Metals in Industrial Sludges from North Region of Vietnam and Their Potential Impact on Ecosystem Luong Thi Mai Ly, Nguyen Thuy Chung, Nguyen Van Thinh, Pham Minh Chinh, Phan Phuong Anh, Dang Thi Thuy, Nguyen The Huy
P.14	(IFGTM-144) Removal of Sulfamethoxazole Antibiotics by Chitosan-activated Carbon Composite Derived from Agricultural Waste Van Son Tran, Manh Khai Nguyen, Huu Hao Ngo, Thanh Ha Nguyen, Thi Chinh Truong, Thi Ngoc Thu Nguyen, Thi Mai Ly Luong, Minh Phuong Nguyen
P.15	(IFGTM-146) Surveillance of ESBL - Producing Escherichia Coli in Different Water Environments in Northern Vietnam Bach Duong Nguyen, Thi My Hanh Vu, Ikuro Kasuga



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The 10th International forum on Green Technology and Management

Green Collaboration for Healthy Environment and Sustainability

