**LIST OF DISSERTATION**

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| --- | --- | --- | --- | --- |
| **No.** | **Master’s thesis topic**  | **Student** | **Supervisor** | **Graduation year** |
| 1 | Volatile organic carbon treatment using biological filter and micro flora on the filter | Nguyen Tuan Khang | Assoc. Prof. Dr. Tran Hong ConAssoc. Prof. Dr. Tu Binh MinhProf. Dr. Takashi Higuchi | 2018 |
| 2 | Research on leachate from land fill site of solid waste such as heavy metal characterization | Nguyen Thi Ngoc | Prof. Dr. Jun Nakajima Prof. Dr. Masaki Takaoka Dr. Nguyen Thi An Hang  | 2018 |
| 3 | Assessment of risk of infection during the flooding in Hanoi | Nguyen Hoang Phuong Thao | Assoc. Prof. Dr. Tran Thi Viet NgaProf. Dr. Hiroyuki Katayama | 2018 |
| 4 | State of the art of sewerage infrastructure in Vietnam and its future | Duong Thu Thuy | Assoc. Prof. Dr. Cao Thế HàProf. Dr. Satoh Hiroyasu | 2018 |
| 5 | Research on pig farm waste and wastewater in Vietnam such as chemiscals being used there and their discharge | Dinh Thi To Uyen | Assoc. Prof. Dr. Cao Thế HàProf. Dr. Jun Nakajima Prof. Dr. Satoshi SodaDr. Nguyen Thi An Hang | 2018 |
| 6 | Impact of Climate Change in Hanoi | Pham Cam Van | Assoc. Prof. Dr. Do Quang TrungProf. Dr. Kensuke Fukushi | 2018 |
| 7 | Evaluating greenhouse gas emission reduction from piggery waste, agricultural by products and domestic solid waste treatment at pilot scale in rural area of northern Vietnam | Pham Viet Bien Cuong | Assoc. Prof. Dr. Do Quang TrungProf. Dr. Masaki Takaoka | 2019 |
| 8 | Co-digestion of kitchen refuse and cattle manure: the effect of pre-treatment on substrate solubilization and biodegradability | Dang Trung Hieu | Assoc. Prof. Dr. Cao The HaProf. Dr. Hidenari Yasui | 2019 |
| 9 | Life cycle assessment of Air conditioner and pro-environmental behavior analysis on Air conditioner user in office buildings in Hanoi | Nguyen Thanh Huyen | Prof. Dr. Jun Nakatani | 2019 |
| 10 | Consideration of existing rainwater harvesting system and its enhancement using membrane filtration and UV-irradiation | Tran Dieu Linh | Prof. Dr. Jun NakajimaProf. Dr. Naoyuki Kamiko | 2019 |
| 11 | The fate of pathogens in post-biogas swine wastewater treatment using lab-scale duckweed pond | Ma Thi Tra My | Assoc. Prof. Dr. Cao Thế Hà Prof. Dr. Katayama Hiroyuki   | 2019 |
| 12 | Occurrence of antibiotic resistance genes in urban water environment in Hanoi | Nguyen Thi Nga | Assoc. Prof. Dr. Ikuro Kasuga Prof. Dr. Katayama Hiroyuki   | 2019 |
| 13 | Use of Host-Specific Bacteroidales 16S rRNA for Microbial Source Tracking of Environmental Water in Hanoi, Vietnam | Pham Minh Ngoc | Prof. Dr. Katayama Hiroyuki  Assoc. Prof. Dr. Ikuro Kasuga  | 2019 |
| 14 | Arsenic Leaching Potential from Fly Ash of Coal Power Plant in Vietnam | To Hoang Nguyen | Assoc. Prof. Dr. Tran Hong ConProf. Dr. Takashi Higuchi | 2019 |
| 15 | LCA-based comparison between centralised and home composting management systems in Vietnam. | Le Van Son | Prof. Dr. Seiji Hashimoto Assoc. Assoc. Prof. Dr. Nguyen Thi Hoang Lien | 2019 |
| 16 | Treatment of swine wastewater using Constructed Wetland: the role of plants | Vu Thi Thom | Dr. Nguyen Thi An HangAssoc. Prof. Dr. Sato Keisuke | 2019 |
| 17 | Phosphorus removal in swine wastewater using constructed wetlands: the role of substrates | Nguyen Thi Thuong | Dr. Nguyen Thi An HangAssoc. Prof. Dr. Sato Keisuke | 2019 |
| 18 | Evaluation of the performance of lab-scaled self-purification sewer system for municipal wastewater treatment | Luong Huu Trung | Prof. Dr. Hiroyasu SatohProf. Dr. Jun Nakajima | 2019 |
| 19 | The behavior of humic substance in iron electrolysis process and its influence on phosphorus removal | Ha Thi Diep Anh | Prof. Dr. Jun NakajimaAssoc. Prof. Dr. Le Van Chieu | 2020 |
| 20 | Synthesis of reduced graphene oxide (rGO) for the removal of tetracycline from aqueous solutions | Ha Thi My Trinh | Dr. Tran Dinh TrinhDr. Nguyen Thi An Hang | 2020 |
| 21 | Application of PVA Gel in airlift bioreactor for wastewater treatment | Tran Quang Dung | Assoc. Prof. Dr. Cao The HaAssoc. Prof. Dr. Le Van Chieu | 2021 |
| 22 | Enhancement of nutrient removal from anaerobically digested swine wastewater using hybrid constructed wetlands with foamed waste glass and external carbon source | Pham Thi Kieu Chinh | Assoc. Prof. Dr. Keisuke SatoDr. Nguyen Thi An Hang | 2020 |
| 23 | Synthesis, characterization and photocatalytic activity of composite g-C3N4/GaN-ZnO | Nguyen Ha Trang | Dr. Tran Thi Viet HaDr. Nguyen Minh Viet | 2020 |
| 24 | Behavior of plasmid-mediated colistin resistance gene in urban water environment and food chain | Vu Thi My Hanh | Assoc. Prof. Dr. Ikuro KasugaProf. Dr. Hiroyuki Katayama | 2020 |
| 25 | Treatment of Pharmaceutical wastewater using photocatalysis process with commercial TiO2 powder | Oladele Honour Adedayo | Dr. Tran Thi Viet HaDr. Nguyen Minh Phuong | 2020 |
| 26 | A comparison on adsorption and biodegradation abilities between activated carbon fiber (ACF) and granular activated carbon (GAC) | Ho Thi Sen | Dr. Tran Thi Viet HaAssoc. Prof. Dr. Ikuro Kasuga | 2020 |
| 27 | Development of a novel urban-rural relationship for sustainable nitrogen cycle: Casestudy in Hai Phong City | Nguyen Thu Hoai | Prof. Dr. Kensuke FukushiAssoc. Prof. Dr. Tran Thi Viet Nga | 2020 |
| 28 | Intensified phosphorus removal from synthetic wastewater by lab-scale horizontal sub-surface flow constructed wetlands using a mixture of coal slag and calcined ferralsols as substrate | Le Thi Van | Dr. Nguyen Thi An HangAssoc. Prof. Dr. Keisuke Sato | 2020 |
| 29 | Characterization of extended-spectrum β-lactamase-producing *Escherichia coli* in urban water environment in Northern Vietnam | Nguyen Bach Duong | Assoc. Prof. Dr. Kasuga IkuroDr. Takemura Taichiro | 2021 |
| 30 | Hydrothermal carbonization of soybean milk residue (okara): Nutrient extraction and hydrochar fuel properties | Cao Thi Thuy Giang | Dr. Nguyen Thi An HangDr. Nguyen Viet Hoai | 2021 |
| 31 | Okara-derived hydrochar: Effects of activation on the solid fuel properties and adsorption behaviors of the cationic dye (Brilliant green) | Nguyen Thi Thu Hoa | Dr. Nguyen Thi An HangDr. Nguyen Hong Nam | 2021 |
| 32 | Fabrication of superhydrophobic surface on filter paper by a facile coating method and applications in environmental treatment | Dinh Dam Khanh | Dr. Tran Thi Viet HaDr. Nguyen Minh Viet | 2021 |
| 33 | Research on Hydrothermal carbonization (HTC) of Paper mill sludge, Food and Forestry wastes - effects of process parameters on properties of Hydrochar | Karunasena Dhanuka Nayomal | Assoc. Prof. Dr. Cao The HaDr. Vu Ngoc Duy | 2021 |
| 34 | Fabrication of biomimetic TiO2-FDTS@cotton fabric with special wettability for effective self-cleaning application | Nguyen Thi Hong Nhung | Dr. Tran Thi Viet Ha | 2021 |
| 35 | Evaluation of water stress and water quality under the impact of climate change in the upper Thai Binh river basin, Vietnam | Htet Thu Soe | Assoc. Prof. Dr. Sato KeisukeDr. Pham Quy Giang | 2021 |