PERSONAL INFORMATION

BAO NGUYEN QUOC

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Gender Male | Date of birth 23/02/1990 | Nationality Vietnamese

EDUCATION AND TRAINING

9/2014 – Present — Master Water Science

University of Duisburg Essen – Faculty of Chemistry – Department Analytical Chemistry

2008 – Present — Bachelor Environmental Engineering

Vietnam National University – Ho Chi Minh City University of Technology – Faculty of Environment

LAB EXPERIENCE

05/2016 -- present — Environmental Engineering Lab – Master thesis

University of Washington – Seattle – Washington – USA

- Topic: Combining Ammonium-Oxidizing Archaea with Granular Sludge Denitrifying Phosphate Accumulating Organism for Wastewater Nutrient Removal

10/2015 -- 04/2016 — Technical chemistry lab – Research practical

Master Water science – Faculty of Chemistry – University of Duisburg Essen

- Topic: Magnetic-responsive membrane

8/2015 -- 10/2015 — Ozone lab -- Analytical practical

Master Water science – Faculty of Chemistry – University of Duisburg Essen

- Topic: The reaction rate constant of ozone and Tamoxifen

4/2015 -- 7/2015 — Microbiology lab – Microbiology practical

Master Water science – Faculty of Chemistry – University of Duisburg Essen

8/2012 -- 12/2012 — Wastewater treatment lab – Bachelor thesis

Faculty of Environment – Ho Chi Minh City University of Technology

- Topic: The efficiency of the submerged membrane MBR on the seafood wastewater treatment

PUBLICATION

- Knoop Oliver, Nguyen Quoc Bao, Suleimenova Alua and Schmidt C. Torsten, 2015. Degradation of Tamoxifen during ozonation: pH dependency. Poster presented at Conference MicroPol & Ecohazard 2015, Singapore.
https://www.researchgate.net/publication/299489824_Degradation_of_Tamoxifen_During_Ozonation_pH_Dependency

- Lin Xi, Nguyen Quoc Bao, Ulbricht Mathias, 2016. Magneto-responsive polyethersulfone-based iron oxide cum hydrogel mixed matrix composite membranes for switchable molecular sieving. Submitted.

THESIS DESCRIPTION

In this research, we aim to achieve nitrite shunt in a granular sludge denitrifying-PAO reactor. Benefits of this process includes energy savings from lower aeration demand and reduced external carbon addition due to simultaneous phosphorus removal and denitrification.