

# CURRICULUM VITAE

Nguyen Thi Thu Ha

## Education

[Vietnam National University of Agriculture]

2004-2018: Bachelor of Environmental Science

[Hanoi University of Science and Technology]

2009-2011: Master of Environmental Technology

## Research interest

- Environmental monitoring and control
- Biological indicator
- Environmental toxicology

## Projects

- 2015: Building pilot treatment of nitrogen and phosphorus-rich wastewater from septic tanks using *Chlorella vulgaris*
- 2016: Investigating, assessing and determining POPs pollution in Thanh Chuong district, Nghe An province
- 2017: Planning of the environmental monitoring network in Bac Giang province in the period of 2010-2020
- 2018: Research on emission factors of condensed polycyclic aromatic hydrocarbons (PAHs) and their derivatives (NPAHs) from straw-burning emissions in Vietnam
- 2019: Study on manufacturing Tectosilicate mineral material from rice husk ash and application to reduce the mobility of Pb in soil
- 2019: Fabrication of light materials from silicate materials in agricultural by-products used for water treatment in aquaculture
- 2020: Recover and reuse algae biomass to control eutrophication of ponds and lakes, recover organic carbon

## Publications

- Health risk associated with the potentially toxic cyanobacteria blooms in the lakes of Hanoi by biovolume method
- Testing the toxicity of Pyrethroid pesticides to freshwater snail (*Angulyagra polyzonata*)
- Application of *Chlorella vulgaris* algae removes N and P in domestic wastewater after septic tanks
- Using zooplankton to indicate nutrient level of irrigation canals in Gia Lam - Hanoi
- Preliminary assessment of environmental risks due to residues of POPs in Nam Linh-Nam Dan-Nghe An
- Research and select plants capable of absorbing Pb and Zn in the soil in Chi Dao - Van Lam - Hung Yen
- Assess the current status of greenhouse gas emissions from landfills in the Red River Delta and propose solutions
- Reponse of freshwater snail (*Angulyagra polyzonata*) as water biomarker by heavy metals (Cd, Cu, Zn, Pb)
- Laboratory-scale assess the risks of Pb and Cd to aquatic organisms
- Using phytoplankton community structure index to evaluate the eutrophication level of lakes in Hanoi
- Using distribution of macrophyte to quickly assess salinity level in irrigation canals in Thach Ha, Ha Tinh
- Assess the impact of water quality on common carp (*Cyprinus carpio*) in the acute toxicity test



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