# CURRICULUM VITAE


## TRINH QUANG HUY

Depart. of Environmental Technology
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## Education

**[ University of Natural Science - Hanoi National University ]**

1993-1997: Bachelor of Environmental Science

**[ University of Natural Science - Hanoi National University ]**

1998 -2000: Master of Environmental Science

**[ University of Kyushu, Japan ]**

2000 -2004: PhD of Environmental Science

## Research interest

- Monitoring water quality and aquatic ecosystem in closed-water bodies
- Environmental Inpact Assessment
- Wastewater ans Solid waste treatment
- Mathematical modeling to simulate the water quality in closed-water bodies

## Resarch project implementation in past 5 years

- Research on integrating environmental factors in land use planning
- Built heavy metal containing laboratory waste water treatment process
- Evaluated and proposed solutions to solid waste issues in rural areas in Haiduong provice
- Investigated pesticide residue in Bac Giang province
- Evaluated environmental status in concentrated lifestock farms in Bac Giang province
- Investigated vulnerable ecosystem in Bac Giang province
- Investigated polluted areas in Bac Giang province and proposed solutions
- Adjusted the planning of the environmental monitoring networ in Bac Giang-Period 2010-2020
- Building pilot treatment of nitrogen and phosphorus-rich wastewater from septic tanks using *Chlorela vulgaris*
- Study on manufacturing Tectosilicate mineral material from rice husk ash and application to reduce the mobility of Pb in soil
- Factors structuring phytoplankton communitty in a large tropical river: case study in red river (Viet Nam)
- Rule – based classification of toxic response of a freshwater fish to contaminated river water

## Publications

### Papers

- Mineralogy and clay degradation in grey degraded soils of Vietnam
- Clay Mineralogy and Vertical Distribution of Cadmium in a Soil Profile in a Reclaimed Paddy Field

- Clay mineralogy, chemical properties and forms of Cadmium in some arable soils in Japan and Vietnam
- Control of Cadmium uptake by plant by using some inorganic for contaminated soil in Omuta, Kyushu Japan
- Loss of water-soluble nutrients from a cultivated slope by occurrences of water erosion during the rainy season in northern Vietnam
- Change of inorganic nitrogenconcentrations of groundwater in farming villages around Hanoi during latest few years
- Sensitivity analysis on the daily water temperature model for paddy fields in Red river delta, Vietnam
- Research on the treatment of wastewater containing Pb2 + and Cd2 + from chemical laboratories
- Monitoring of inorganic nitrogen in surface and ground water at the intensive farming villages of the red river delta, Vietnam
- Excessive level of inorganic nitrogen in groundwater in the intensively farmed areas of northern Vietnam
- Application of Phreeqc model to simulate the Cd, Pb transfering in the alluvial soil of the Red River
- Effect of water quality on biodiversity of diatoms living on some irrigation systems
- Effect of nanomaterials on the growth of *Microcystis aeruginosa*
- Study on characteristics of natural nanoparticles (Nanoclay) and apply to removing $Cr6^{+}$
- Study on the process of recovering SiO2 from rice husk by pyrolysis method
- Using floating animals to indicate nutrient level of irrigation canals in Gia Lam district, Hanoi
- Testing the toxicity of Pyrethroid group to freshwater screw nuts

## Books

- Environmental factors in sustainable land use
- Environmental impact assessment
- Environmental monitoring