

CURRICULUM VITAE

TRINH QUANG HUY

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 Impact Assessment
- Wastewater and Solid waste treatment
- Mathematical modeling to simulate the water quality in closed-water bodies

Research 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 province
- Investigated pesticide residue in Bac Giang province
- Evaluated environmental status in concentrated livestock 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 network in Bac Giang-Period 2010-2020
- Building pilot treatment of nitrogen and phosphorus-rich wastewater from septic tanks using *Chlorella vulgaris*
- Study on manufacturing Tectosilicate mineral material from rice husk ash and application to reduce the mobility of Pb in soil
- Factors structuring phytoplankton community 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



Depart. of Environmental
Technology

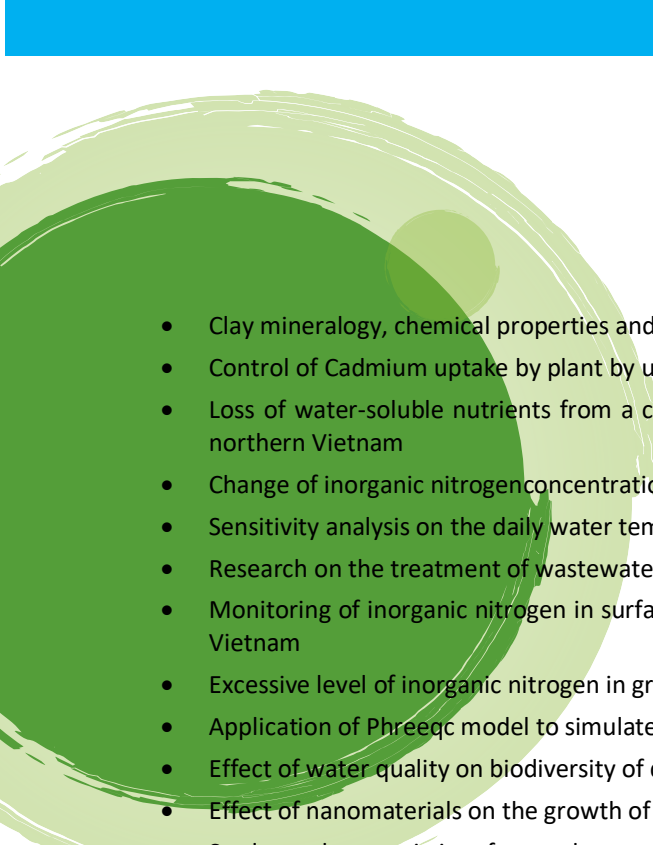
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- Clay mineralogy, chemical properties and forms of Cadmium in some arable soils in Japan and Vietnam
 - Control of Cadmium uptake by plant by using some inorganic for contaminated soil in Omuta, Kyushu Japan
 - Loss of water-soluble nutrients from a cultivated slope by occurrences of water erosion during the rainy season in northern Vietnam
 - Change of inorganic nitrogen concentrations 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 Pb^{2+} and Cd^{2+} 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 transferring 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 Cr^{6+}
 - Study on the process of recovering SiO_2 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
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