

## **THE NEW MAIN SCIENTIFIC CONTRIBUTION OF THE THESIS**

Name of thesis: *“State of heavy metal contamination in water, food; community people’s health in the coastal area of Thuynghuyen district, Haiphong and results of an experimental intervention”.*

**Major: Public Health**

**Code: 62 72 03 01**

Full name of PhD student: Nguyen Thi Minh Ngoc

Full name of academic supervisors: 1. Assoc. Prof. Ho Anh Sơn, MD  
2. Assoc. Prof. Pham Van Han, MD

Educational foundation: Haiphong University of Medicine and Pharmacy

### **Summary of the new main scientific contribution of the thesis**

This is one of the first studies in Vietnam which describes heavy metal contamination in water and food, and calculates the estimation of human health risk from heavy metal exposure in a particular coastal area in Vietnam.

A slow filtration tank was developed and used to remove heavy metals from water with castor activated carbon. The results showed that castor activated carbon was highly effective in the laboratory and in the field.

**Name of academic supervisors**

**Name of PhD student**

**Assoc. Prof. Ho Anh Sơn**

**Assoc. Prof. Pham Van Han**

**Nguyen Thi Minh Ngoc**