Project title: **"**Application of Real-time PCR technique to detect Salmonella enterica in food and water samples**"**

- ***Objectives and contents***
  1. Colleting samples and defining S.enterica
  2. Extracting DNA from water and food samples
  3. Optimizing the Real-time PCR reaction
  4. Comparing two techniques: Real-time PCR and traditional PCR
  5. Building a practice and training on Real-time PCR technique

Implementation period: 4/2010 ÷ 4/2011

- ***Implementation group:***

  Dr. Pham Thu Thuy, Institute of Biotechnology and Environment, leader

  Dr. Nguyen Van Duy, Institute of Biotechnology and Environment, member

- ***Results:***
  1. The process of extracting DNA from waste samples & frozen black tiger shrimp
  2. The standard process of Real-time PCR reaction to detect S. enterica in food & water samples
  3. The practice on Real-time PCR technique to quantify rapidly and accurately S. enterica in food & water samples