

Project title: “Develop a new method for evaluating antioxidant activity based on Fenton reaction in lipid/myoglobin/H₂O₂ system”

❖ **Objectives:**

Develop a new method for evaluating antioxidant activity based on Fenton reaction with the aim of contributing to improve the quality of the laboratory experiments.

❖ **Contents:**

1. Preparing experimental conditions;
2. Developing a new method for evaluating antioxidant activity based on Fenton reaction in lipid/myoglobin/H₂O₂ system;
3. Applying the method for evaluating antioxidant activity of chitosan, mushroom extract, embryo lotus extract and shrimp head protein hydrolysate.

❖ **Implementation period:** 4/2012-4/2013

❖ **Implementation person:**

Dr. Huynh Nguyen Duy Bao, Faculty of Food Technology

❖ **Results:**

1. Completing a method for evaluating the antioxidative activity based on Fenton reaction;
2. A final report; and
3. An article published on a recognized journal.

❖ **Applied places**

1. NTU Center for Experiments and Practices.
2. NTU Labs at the Institute of Biotechnology and Environment.