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## **EDUCATION**

*Institute of Chemistry – Vietnam Academy of Science and Technology, Hanoi, Vietnam*  
Ph.D. in Analytical Chemistry, 2004 - 2009

*Institute of Chemistry – Vietnam Academy of Science and Technology, Hanoi, Vietnam*  
MSc. in Analytical Chemistry, 2000 - 2002

*Dalat University, Vietnam*  
BSc. in Chemistry, 1979-1983

## **RESEARCH INTERESTS**

- Analytical Chemistry
- Isolation and purification of natural bioactive substances
- Nano- and microencapsulation technology

## **RESEARCH EXPERIENCE**

- Establishing a lab-scale process for obtaining lutein as a food colorant from marigold flowers (*Tagetes erecta* L.), Khanh Hoa Province Project, 2012-2014, principal investigator.
- Isolation and purification of lutein from marigold flowers (*Tagetes erecta* L.) planted in Khanh Hoa Province, Ministry Project, 2007 – 2009, principal investigator.
- Study on extraction of astaxanthin from shrimp waste, University Project, 2002 – 2003, principal investigator.

## **TEACHING RESPONSIBILITY**

### **Undergraduate**

- Analytical Chemistry
- Physical Chemistry
- General Chemistry

### **Graduate**

- Modern methods applied in food analysis

## **PUBLICATIONS**

### **Journals:**

1. **Hoang T.H.A**, Tran T.H.Q., Phan V.T., Dang T.T (2013), *Optimization of marigold flower (*Tagetes erecta* L.) pretreatment by Viscozyme L for improving carotenoid extraction, using response surface methodology*, ОРГАНИЗАЦИЯ И РЕГУЛЯЦИЯ ФИЗИОЛОГО-БИОХИМИЧЕСКИХ ПРОЦЕССОВ, Центральное-Черноземное книжное издательство, ВГУ, 15, 96-104.
2. **Hoang Thi Hue An**, Nguyen Quyet Chien, Le Lan Anh, Tran Thi Thu Thuy (2008), *Determination of astaxanthin and other carotenoids in Vietnamese crustaceans by HPLC*, J. Science and Technology, 46 (3), 47 - 58.
3. Le Lan Anh, Nguyen Quyet Chien, **Hoang Thi Hue An** (2008), *Establish a HPLC method for isolation and determination of carotenoids*, J. Chemical, Physical and Biological Analysis, 13 (2), 67 - 71.
4. Tran Thi Thu Thuy, **Hoang Thi Hue An**, Nguyen Thi Minh Hang, Le Van Lam, Nguyen Quyet Chien (8/2007), *Isolation and analysis of major carotenoids in selected Vietnamese vegetables*, 12-th Asian Chemical Congress, Kuala Lumpur, Malaysia, p.310.
5. Le Lan Anh, Nguyen Quyet Chien, **Hoang Thi Hue An** (2007), *Determination of carotenoids in some Vietnamese aquatic crustaceans using HPLC method*, J. Chemistry, 45 (6A), 269 - 274.
6. **Hoang Thi Hue An**, Tran Thi Thu Thuy, Nguyen Quyet Chien (2007), *Isolation and purification of astaxanthin from shrimp waste*, J. Chemistry, 45 (6A), 226 - 230.
7. Tran Thi Thu Thuy, **Hoang Thi Hue An**, Nguyen Quyet Chien (2007), *Isolation and purification of zeaxanthin from *Lycium barbarum* L. for using as a HPLC reference standard*, J. Chemistry, 45 (6A), tr.231 - 236.
8. Tran Thi Thu Thuy, **Hoang Thi Hue An**, Nguyen Thi Minh Hang, Le Van Lam, Nguyen Quyet Chien (8/2007), *Isolation and analysis of major carotenoids in selected Vietnamese vegetables*, 12 th Asian Chemical Congress, Kuala Lumpur, Malaysia, p.310.
9. **Hoang Thi Hue An**, Le Lan Anh, Tran Thi Thu Thuy, Nguyen Quyet Chien (2007), *Isolation and purification of lutein from marigold flowers (*Tagetes erecta* L.) for using as a HPLC reference standard*, J. Science and Technology, 45 (1B), 47-52.

10. **Hoang Thi Hue An**, Le Lan Anh, Nguyen Quyet Chien (2007), *Isolation and purification of lycopene from Vietnamese gac fruit (Momordica cochinchinensis) for using as a HPLC reference standard*, J. Science and Technology, 45 (3A), 114 - 118.
11. **Hoang Thi Hue An** (2004), Study on extraction of astaxanthin from shrimp waste, J. Science and Technology in Aquatic Products, Special Vol., 51-54.
12. **Hoang Thi Hue An** (2003), *Relationship between molecular structure and bioactivity of astaxanthin*, J. Science and Technology in Aquatic Products, 2, 53-59.
13. **Hoang Thi Hue An**, Chu Dinh Kinh (2003), *Influence of saponification step on the HPLC determination of astaxanthin extracted from shrimp waste*, J. Science and Technology in Aquatic Products, 2, 16-21.