

TRANNGOCLE

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Center for experiments and practices
Nha Trang University,
02 Nguyen Dinh Chieu St.,
Nha Trang city, Vietnam

EDUCATION

Ph. D. (Chemical analysis)

Yeungnam university , South Korea ; 2015

Thesis Title: Organic-Zirconia hybrid monolithic columns for chiral separation by capillary electrochromatography

Supervisor: Dr. JungHag Park (Professor, Department of Chemistry, Yeungnam University, South Korea)

M. Sc. (Chemical Analysis)

University of Natural Science, Vietnam National University – Hanoi (VNU), 2011

Dissertation Title: Determination of sulfur total in Garlic and its products by flame atomic absorption spectrometry (F-AAS)

Supervisor: Dr. Phạm Luận (Professor, Department of Chemistry, VNU)

B.Sc. (Chemical analysis)

University of Natural Science, Vietnam National University – Hanoi (VNU), 2001

RESEARCH INTERESTS

Analytical Chemistry

- Separation of enantiomers using high-performance liquid chromatography, thin layer chromatography, capillary electrophoresis and capillary electrochromatography
- Quality Management in the laboratory against ISO/IEC 17025: 2005
- Determination of heavy metals (i.e., Pb, Cd, Hg, As, Co, Cu, Sb, Ni, Cr, Cr (VI)) using atomic absorption spectrometry (AAS), ultraviolet-visible spectrophotometry (UV-Vis).
- Determination of environmental parameters using atomic absorption spectrometry (AAS), ultraviolet-visible spectrophotometry (UV-Vis).
- Development of zirconia based monolithic chiral stationary phases
- Synthesis of chiral derivatizing reagents

TEACHING RESPONSIBILITY

Undergraduate

1. General chemistry
2. Analytical chemistry

PUBLICATIONS AND PRESENTATIONS

Journals

1. **Le Ngoc Tran**, Shuchi Dixit, and Jung Hag Park. Enantioseparation of basic chiral compounds on a clindamycin phosphate-silica/zirconia hybrid monolith by capillary lectrochromatography. *Journal of Chromatography A*, 1356 (2014) 289–293.
2. **Le Ngoc Tran** and Jung Hag Park. Enantiomer separation of acidic chiral compounds on a quinine-zirconia hybrid monolith by capillary electrochromatography. *Journal of Chromatography A*, 1369 (2015) 140.
3. **Le Ngoc Tran**, Jeong-Ae Jeong, and Jung Hag Park. Enantiomer Separation of Acidic Chiral Compounds on a tert-Butylcarbamoylquinine-Silica Hybrid Monolith by Capillary Electrochromatography. *Bull. Korean Chem. Soc.* 2016, Vol. 37, 1050–1056.

Presentations

1. **“Korean Chemical Society Meeting”** held at Department of Chemistry, Ulsan university, South Korea, August 12-13 (2013).
Presentation: **Le Ngoc Tran**, Il-Seung Lee, Jung Hag Park. *Enantiomer separation of acidic chiral compounds on a quinine-zirconia hybrid monolith by capillary electrochromatography*
2. **“The 112th Autumn Meeting of the Korean Chemical Society”** held at Changwon Exhibition Convention Center, Changwon, South Korea, Oct. 16-18 (2013).
Presentation: **Le Ngoc Tran**, Il-Seung Lee, Jung Hag Park. *Capillary electrochromatographic separation of chiral compounds on a clindamycin phosphate–zirconia hybrid monolith*
3. **“The 13th Asia Pacific International Symposium on Microscale Separation and Analysis & 30th Symposium on Environmental Analysis & 7th Asia Pacific Symposium on Ion Analysis”** to be held at Jeju Island, Korea, Nov. 3-6 (2013)
Presentation: **Le Ngoc Tran**, Il-Seung Lee, Jung Hag Park. *Capillary electrochromatographic separation of chiral compounds on a clindamycin phosphate–zirconia hybrid monolith*
4. **“The 114th Autumn Meeting of the Korean Chemical Society”** held at Convention Center, Gwangju, south Korea, Oct.15 -17 (2014)

Presentation: **Le Ngoc Tran**, Jung Hag Park. *Enantiomer separation of acidic chiral compounds on a Quinine-Silica.*

Workshops/Trainings

1. Participated in the training course organized by Bureau of Accreditation, (BOA), Vietnam on “Quality Management in the laboratory against ISO/IEC 17025:2005”, April 18, 2011.
2. Training on ‘Analysis of wastewater’ in Korea Dyeing & Finishing Technology Institute, Dyetech, Daegu, South Korea during Nov 27 – Dec 09, 2016.