

Thinh V. Phan

Faculty of Food Technology
Nha Trang University,
02 Nguyen Dinh Chieu St.,
Nha Trang city, Vietnam
E-mail: thinhpv@ntu.edu.vn

I. EDUCATION

PhD Degree in Analytical Chemistry, Voronezh State University of Architecture and Civil Engineering, Russia (2007-2011)
Ed.S., Voronezh State Pedagogical University, Russia (2001-2007)

II. PROFESSIONAL EXPERIENCE

03/2015 – until now: lecturer at Nha Trang university
12/2011 – 03/2015: Manager of Chemical and Biological Testing Laboratory in Khanh Hoa Quality Assurance and Testing Center

III. TEACHING RESPONSIBILITY

Undergraduate

1. General chemistry
2. Analytical chemistry
3. Natural antioxidants

Graduate

4. Modern analytical methods in food quality assurance

IV. EXPERTISE AND RESEARCH INTERESTS

1. Main research orientation
 - Natural bioactive compounds (curcuminoids): extraction, purification, characterization and application.
 - Adsorption of heavy metals: Pb^{2+} , Cr(VI)
 - Methods of water and food analysis: titration, UV-Vis spectrophotometry, HPLC
 - Wastewater treatment / water purification

2. List of research projects

- 2017 – 2018: Solutions for reusing of stone powder from granite processing factories in high-valued products (main researcher)
- 2016 – 2018: Synthesis of 3D graphene-based aerogels for high performance supercapacitors, funded by Nafosted (main researcher)
- 01/2014 – 03/2015: Application of Carbon Fiber in Treatment of Aquaculture Wastewater, funded by Khanh Hoa province (Leader)
- 01/2012 – 12/2013: Building a lab-scale process obtaining from marigold flower (*Tagetes erecta* L.) lutein used as a food colorant, funded by Khanh Hoa province (main researcher)

3. Publications (in the last 5 years)

3.1. Phan V.T. *et. al.* Micro-sized carbon fiber: a new supporting material for microorganisms in the decomposition of nitrogen and phosphorus nutrients in wastewater with high salinity. Sorption and chromatographic processes (2017).

3.2. Tran T.H.Q. *et. al.* Biodegradable chitosan/gelatin/glycerol film incorporated with natural bioactive compounds for skin care application. Organisation & Regulation of Physicologico-biochemical Processes, 19, Voronezh State University, Russia (2017).

3.3. Nguyen V.H. *et. al.* Three-dimensional reduced graphene oxide-grafted polyaniline aerogel as an active material for high performance supercapacitors (2017). DOI: 10.1016/j.synthmet.2016.11.021

3.4. Phan V.T. *et. al.* Microbiological membranes on carbon fiber and application in aquaculture waste water treatment. Organisation & Regulation of Physicologico-biochemical Processes, 17, Voronezh State University, Russia (2015).

3.5. Phan V.T. *et. al.* Application of digital colorimetry in quantitative analysis. J. of Chem., Vietnam (2013).

V. LANGUAGES

English: intermediate

Russian: full professional proficiency