TRAN Thi Hoang Quyen
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I. EDUCATION

PhD Degree in Biochemistry, Voronezh State University, Russia (2007-2011)
Ed.S., Voronezh State Pedagogical University, Russia (2001-2007)

II. PROFESSIONAL EXPERIENCE

11/2011 – until now: lecturer at Nha Trang university

III. TEACHING RESPONSIBILITY

Undergraduate

1. General chemistry
2. Organic chemistry
3. Natural compounds

IV. EXPERTISE AND RESEARCH INTERESTS

1. Main research orientation

- Natural compounds (extraction, purification, characterization and application): collagen, curcumin, enzyme isocitrate lyase
- Nanomaterials (preparation, characterization and applications): nanohydroxyapatite, nanochitosan, nanocurcumin…
- Adsorption of heavy metals Pb^{2+}, Cr(VI) by hydroxyapatite, chitosan beads

2. List of research projects

- 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, main researcher.

- 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.
- 2017-2018: Preparation and characterization of nano hydroxyapatite from fish bone, funded by Nha Trang University, main researcher.

3. Publications (in the last 5 years)

3.1. Nguyen Van Hoa, Tran Thi Hoang Quyen, Nguyen Van Hieu, Tran Quang Ngoc, Phan Vinh Thinh, Pham Anh Dat, Hoang Thi Trang Nguyen (2017), *Synthetic Metals*, Volume 223, January 2017, Pages 192–198.

3.2. Nguyen Van Hoa, Thang Trung Khong, Tran Thi Hoang Quyen, Trang Si Trung (2016), One-step facile synthesis of mesoporous graphene/Fe3O4/chitosan nanocomposite and its adsorption capacity for a textile dye, *Journal of Water Process Engineering,* Volume 9, February 2016, Pages 170–178.

3.3. Nguyen Van Hoa, Tran Thi Hoang Quyen, Nguyen Huu Nghia, Nguyen Van Hieu, Jae-Jin Shim (2017) In situ growth of flower-like V_2O_5 arrays on graphene@nickel foam as high-performance electrode for supercapacitors, *Journal of Alloys and Compounds*, Volume 702, 25 April 2017, Pages 693–699.

3.4. Чан Тхи Хоанг Куен, Дмитрий Николаевич Федорин, Адександр Трофимович Епринцев (2012), Субклеточная локализация изоцитратлиазы в сое разных сортов (2012), *Организация и регуляция физиолого- биохимических процессов*, Выпуск 14. - Воронеж: ВГУ, 2012, С. 230-235

3.5. Чан Тхи Хоанг Куен (2013), Динамика активности изоцитратлиазы из сои, идентификация генов icl_1 и icl_2 и регуляция их экспрессии (2013), *Организация и регуляция физиолого-биохимических процессов*. Выпуск 15. - Воронеж: ВГУ, 2013, С. 86-96.

3.6. Hoang T.H. An, Tran T.H. Quyen, Phan V. Thinh, Dang T.T. (2013), Optimization of marigold flower (*Tagetes erecta* L.) pretreatment by Viscozyme L for improving carotenoid extraction, using response surface methodology *J. Organisation & Regulation of Physicologico-biochemical Processes*, 15, Voronezh State University, Russia, 96-105.

3.7. Hoang T.H.An, Tran T.T. Quyen, Dang T. Thanh (2014), Effect of storage conditions on quality of marigold petal powder, *J. Organisation & Regulation of Physicologico-biochemical Processes*, 16, Voronezh State University, Russia, 77- 84.

3.8. Phan V. Thinh, Nguyen V. Hoa, Tran T.H. Quyen (2015), Microbiological membranes on carbon fiber and application in aquaculture waste water treatment. *Organisation & Regulation of Physicologico-biochemical Processes*, 17, Voronezh State University, Russia, 107-114.

3.9. Phan Vĩnh Thịnh, Trần Thị Hoàng Quyên, Rudakov Oleg Borisovich (2013), Ứng dụng đo màu kỹ thuật số trong phân tích định lượng, Tạp chí Hóa học, T.51(6ABC) 680-682.

3.10. Phan Vĩnh Thịnh, Nguyễn Văn Hoà, Trần Thị Hoàng Quyên, Huỳnh Tuân (2014), Ứng dụng sợi carbon trong quá trình xử lý nước nuôi trồng thủy sản bị ô nhiễm, Tạp chí Khoa học Công nghệ và Môi trường, số 5, trang 22-23,35.

3.11. Hoàng Thị Huệ An, Trần Thị Hoàng Quyên, Đặng Trung Thành, Phan Vĩnh Thịnh (2014), Tối ưu hóa điều kiện xử lý hoa cúc vạn thọ bằng *Viscozym* L nhằm nâng cao hiệu quả chiết carotenoid bằng phương pháp bề mặt đáp ứng, Tạp chí Khoa học Công nghệ và Môi trường Khánh Hòa, Số 4/2014, trang 10-12.

V. LANGUAGES

English: Good
Russian: Good