

SCIENTIFIC CURRICULUM VITAE

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EDUCATION

- **Oct.2004 - Dec.2007:** PhD Chemistry and Physical Chemistry of Polymers, University of Le Mans, France
- **Sept.2003 - July 2004:** Master of Chemistry and Physical Chemistry of Polymers, University of Le Mans, France
- **July 1998:** Bachelor of Chemical Sciences - Grade: good, School of Natural Sciences, Faculty of Chemistry, National University of Hochiminh City, Vietnam
- **Sept.1998:** Francophone Certificate - Agence Universitaire de la Francophonie, Hochiminh City, Vietnam
- **June 1994:** High school graduation

PROFESSIONAL EXPERIENCE

- **1998 – until now:** lecturer at Nha Trang university
- **Jan. 2011 – Jan.2012:** Postdoctoral fellow at Chemistry Laboratory Provence, University of Provence (Aix-Marseille I), France (cooperation with Henkel AG & Co. KGaA), in Dr. Didier GIGMES's group
Subject: *Synthesis of polymers inspired from LAS (Linear Alkylbenzene Sulfonate) for the use in Laundry & Home Care application*
- **Dec.2008- Dec.2009:** Postdoctoral fellow at Chemistry Laboratory Provence, University of Provence (Aix-Marseille I), France (cooperation with European Membrane Institute, Montpellier), in Dr. Didier GIGMES's group
Subject: *Synthesis of nanoporous copolymers PS-bloc-PLA by using Nitroxide Mediated Polymerization (NMP) for membrane filter*

- **Oct. 2004 - Dec.2007:** PhD Student at LCOM Laboratory, University of Le Mans, France, in Prof.Laurent FONTAINE's group

Thesis: *Synthesis and characterization of 1,4-polyisoprene grafted thermoplastic by using a controlled radical photopolymerisation procedure.*

- **Sept.2003 - July 2004:** **Master student** at LCOM Laboratory, University Le Mans, France.

Thesis: *Synthesis of poly(isoprene-g-MMA) with controlled architecture*

TEACHING RESPONSIBILITY

Undergraduate

1. General Chemistry
2. Physical Chemistry
3. Chemical Reaction Engineering
4. Polymer Processing
5. Introduction to Chemical Engineering

LANGUAGES

(rating: A- Poor; B- Fair; C- Sufficient; D- Fluent)

Language	Listening	Speaking	Reading	Writing
French	D	D	D	D
English	B	B	B	B

RESEARCH INTERESTS

- Synthesis of polymers by controlled polymerization
- Modern materials
- Composite materials
- Biodegradable materials

PUBLICATIONS

Articles

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), *Three-dimensional reduced graphene oxide-grafted polyaniline aerogel as an active material for high performance supercapacitors*, *Synthetic Metals*, Volume 223, January 2017, Pages 192–198.
2. Tran Hai Minh, Hoang Thi Hue An, Tran Quang Ngoc (2016), *Water-soluble lutein microencapsulation prepared by spray drying using maltodextrin as a wall*

- material: Physicochemical characterization and food coloring potential*, J. Science & Technology of Fisheries, 1, 102-108.
3. Nguyen Van Hoa, Tran Thi Hoang Quyen, Tran Quang Ngoc (2014), *Hydroxyapatite from solid fish waste: a review*, J. Science & Technology of Fisheries, 4, 119-124.
 4. D. Derouet, Q. N. Tran, H. Ha Thuc, “*Synthesis of Polymer-Grafted Natural Rubbers by Radical Photopolymerization of Vinyl Monomers Initiated from the Rubber Chains*”, *Journal of Applied Polymer Science*, **114**, 2149–2160 (2009).
 5. D. Derouet, Q. N. Tran, J. L. Leblanc, “*Physical and mechanical properties of NR-g-PMMA synthesized by MMA photopolymerization initiated from N,N-diethyldithiocarbamate functions previously created onto NR chains*”, *Journal of Applied Polymer Science*, **112**, 788–799 (2009).
 6. Daniel Derouet, Punyanich Intharapat, Quang Ngoc Tran, Frédéric Gohier, Charoen Nakason, « *Graft copolymers of natural rubber and poly(dimethyl(acryloyloxymethyl) phosphonate) (NR-g-PDMAMP) or poly(dimethyl(methacryloyloxyethyl) phosphonate) (NR-g-PDMMEP) from photopolymerization in latex medium*” *Eur. Polym. J.* **45**, 820-836 (2009).
 7. D. Derouet, Q. N. Tran, H. Ha Thuc, “*Synthesis of N,N-diethyldithiocarbamate functionalized 1,4-polyisoprene, from natural rubber and synthetic 1,4-polyisoprene*”, *Eur. Polym. J.* **43**, 1806-1824 (2007).

Patents

1. Bertin, D.; Tran, Q. N.; Phan, T.; Gigmes, D.; Vockenroth, I.; Luneau, B. *Use of polymers obtained by copolymerization of styrene sulfonic acid and/or its ammonium or alkali metal with monomer, for enhancing the primary washing power of detergents or cleaning of textiles during washing of its hard surfaces*. FR2998304 (A1), 23/5/2014
2. Luneau, B.; Kropf, C.; Job, M.; Mussmann, N.; Eiting, T.; Benda, K.; Bastigkeit, T.; Tran, Q. N.; Phan, T.; Gigmes, D.; Bertin, D. *Amphiphilic Block Copolymers and Machine Dishwashing Detergents Containing These*. WO2014079598 (A1), 30/5/2014.
3. Luneau, B.; Vockenroth, I. K.; Plath, N.; Tran, Q. N.; Phan, T.; Gigmes, D.; Bertin, D. *Sulfonate Group-Containing Polymer Active Ingredients Which Improve Primary Detergent Power*. WO2014195156 (A1), 11/12/2014

4. Luneau, B.; Vockenroth, I. K.; Tran, Q. N.; Phan, T.; Gignes, D.; Bertin, D. *Polymeric Active Ingredients Which Contain Sulfonate Groups and Improve Primary Washing Power*. WO2014079786 (A1), 30/5/2014.

RESEARCH PROJECTS

No	Project name	Funding institution	Project duration	Position/ role in the project
1	Completing extraction technology and modeling equipment systems for production of lutein and lutein micromulsion from Marigold flowers (<i>Tagetes erecta</i> L.)	Department of Science and Technology of Khanh Hoa province	2015-2017	Main researcher
2	Synthesis of 3D graphene-based aerogels for high performance supercapacitors	Nafosted	2016 - 2018	Main researcher

Khanh Hoa, March 22, 2017

Institution
(Signature & Full Name)

Expert
(Signature & Full Name)

Tran Quang Ngoc