

TRAN Quang Ngoc

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Department of Chemistry
Faculty of Food Technology
Nha Trang University
02 Nguyen Dinh Chieu Str., Nha Trang City, Vietnam

EDUCATION

- *University of Le Mans*, France
PhD in Chemistry and Physical Chemistry of Polymers, 2004-2007
Master in Chemistry and Physical Chemistry of Polymers, 2004
- *National University of Hochiminh City*, Vietnam
Bachelor in Chemical Sciences, 1994-1998

RESEARCH INTERESTS

- Synthesis and characterization of polymers with selected functionality, composition, and molecular architecture.
- Biodegradable materials.

RESEARCH EXPERIENCE

- *Synthesis of polymers inspired from LAS (Linear Alkylbenzene Sulfonate) for the use in Laundry & Home Care application.* Chemistry Laboratory Provence, University of Provence (Aix- Marseille I), France (cooperation with Henkel AG & Co.KGaA)
- *Synthesis of nanoporous copolymers PS-bloc-PLA by using Nitroxide Mediated Polymerization (NMP) for membrane filter.* Chemistry Laboratory Provence, University of Provence (Aix-Marseille I), France (cooperation with European Membrane Institute, Montpellier)
- *Synthesis and characterization of 1,4-polyisoprene grafted thermoplastic by using a controlled radical photopolymerisation procedure.* LCOM Laboratory, University of Le Mans, France

TEACHING RESPONSIBILITY

Undergraduate

- General Chemistry
- Physical Chemistry – Colloid Chemistry
- Environmental Chemistry

PUBLICATIONS and PRESENTATIONS

Journals

1. Synthesis of Polymer-Grafted Natural Rubbers by Radical Photopolymerization of Vinyl Monomers Initiated from the Rubber Chains, 2009, *Journal of Applied Polymer Science*, **114**, 2149–2160
2. Physical and mechanical properties of NR-g-PMMA synthesized by MMA photopolymerization initiated from N,N-diethyldithiocarbamate functions previously created onto NR chains, 2009, *Journal of Applied Polymer Science*, **112**, 788–799
3. 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, 2009, *Eur. Polym. J.* **45**, 820-836
4. Synthesis of N,N-diethyldithiocarbamate functionalized 1,4- polyisoprene, from natural rubber and synthetic 1,4-polyisoprene, 2007, *Eur. Polym. J.* **43**, 1806-1824

Presentations

1. Q. N. Tran, D. Derouet, H. Ha Thuc, « Synthèse de caoutchoucs naturels greffés thermoplastiques par photopolymérisation radicalaire », *XXVIII^e Journées du Groupe Français des Polymères Ouest*, 14-15 juin 2007, Rouen, France.
2. D. Derouet, Q. N. Tran, H. Ha Thuc, “Synthesis of 1,4-polyisoprene-graft-thermoplastis by using a controlled radical photopolymerisation procedure”, *International Rubber Conference & Exposition Lyon 2006*.