

My. V. Nguyen

Center for Innovative Materials & Architecture (INOMAR)
Office Address: Quarter 6, Linh Trung Ward, Thu Duc District, Ho Chi Minh
City Email: vanmykhtn@gmail.com
Phone: +84 939324281

EDUCATION

PhD student, Chemistry **2015 - present**

- University of Science, Vietnam National University – Ho Chi Minh City.
- Thesis Title: Synthesis of the new metal-organic materials based on the transition metals and application in proton conduction and catalysis.
- Advisor: *Prof. Loc. C. Luu.*



Master of Science, Chemistry **2011 - 2013**

- University of Science, Vietnam National University – Ho Chi Minh City.
- Thesis Title: Synthesis of Cu@UiO-66 and application in oxidation catalysis
- Advisor: *Prof. Loc. C. Luu.*

Bachelor of Science, Chemistry **2006 - 2010**

- University of Dong Thap
- Thesis Title: Synthesis and Properties of MCM-41 and application in heavy metal adsorption
- Advisor: Dr. Thang, S. Ho

RESEARCH and EMPLOYMENT

PhD student and Researcher **2015 – Present**

- Center for Innovative Materials & Architecture (INOMAR), Vietnam National University, Ho Chi Minh City (VNU-HCM), Vietnam.
- Duties: Synthesis of ZIFs, MOFs and their applications

CHEMICAL SKILLS

- Synthesis of new Metal-Organic Frameworks.
- **Structure determination.** Single Crystal and Powder X-ray Diffraction,
- **Characterization of crystalline porous materials.** Thermogravimetric analysis (TGA), Fourier

Transform Infrared Spectroscopy (**FT-IR**), Volumetric Gas Adsorption (NOVA), Vapor adsorption (Belsorp)

- **Organic synthesis.** Solution-State Nuclear Magnetic Resonance (**NMR**), experience on multi-step organic synthesis (carboxylate and imidazolate compounds), Air-Free techniques, including Glovebox + Schlenk Line.
- **Professional software.** Origin, X'Pert High Score Plus, Mercury, Crystal Maker.