Thach Ngoc TU

Center for Innovative Materials and Architectures (**INOMAR**)
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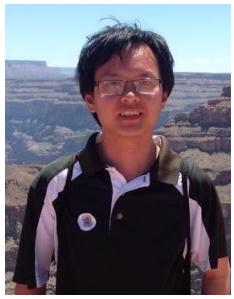

EDUCATION:

B. Eng in Chemical Engineering, May 2010

University of technology, Ho Chi Minh City, Viet Nam

RESEARCH AND TEACHING EMPLOYMENT:

Visiting scholar researcher **10/2014 – 08/2015**

Room 224, Building 66, Material Science Division, Lawrence Berkeley National Laboratory, University Of California At Berkeley, CA, USA.

PhD. Candidate **09/2010 – present**

University of Technology, Vietnam National University - Ho Chi Minh City (VNU-HCM), Vietnam.

Undergraduate student **09/2005 – 01/2010**

Chemical Engineering Department, University of Technology, Ho Chi Minh City, Vietnam.

Fields of Expertise

- Crystalline porous materials (including MOFs and ZIFs)
- Catalysis
- Proton conductivity in MOFs
- Gas adsorption

RESEARCH PUBLICATIONS IN PEER REVIEWED JOURNALS:

1. **Thach N. Tu**, Nghi Q. Phan, Thanh T. Vu, Ha L. Nguyen, Kyle E. Cordova and Hiroyasu Furukawa, High Proton Conductivity at Low Relative Humidity in an Anionic Fe-based Metal-Organic Framework, *Journal of Materials Chemistry A*, **2016**, 4, 3638-3641. DOI**:** 10.1039/c5ta10467j.
2. **Thach N. Tu**, Khoa D. Nguyen, Truong N. Nguyen, Thanh Truong and Nam T. S. Phan, New topological $Co_2(BDC)_2(DABCO)$ as highly active heterogeneous catalyst for amination of

oxazoles via oxidative C-H/N-H couplings, *Catalysis Science & Technology*, **2016**, 6, 1384-1392. DOI**:** 10.1039/C5CY01145K.

3. **Thach N. Tu**, Danh T. Tong, Quan T. Pham, New modified cotton fiber apply to separate ECG and EGCG from tea extract, *VNU-HCM "Science and Technology Development" Journal***, 2010**, 13, 39-48.

POSTER PRESENTATIONS:

1. **Thach N. Tu**, F. Gandara, Anh T. P. Phan, Anh T. L. Nguyen, Nam T. S. Phan, *Solvothermal synthesis and characterization of a flexible* $[Zn_3(bmotmb)_2(bpy)_{0.5}].xDMF$ *framework*, International Conference of **ADVANCED MATERIALS SCIENCE AND NANOTECHNOLOGY (IWAMSN 2012),** Ha Long City, Vietnam, October 30-November 2, 2012
2. **Thach N. Tu**, Bao N. Truong, H. Furukawa, Kyle E. Cordova and Omar M. Yaghi, Synthesis and Characterization of Fe-Based Metal-Organic Frameworks for Methane Adsorption, International Conference of *150 Years of Beautiful Structure and Defects***,** Ho Chi Minh City, Vietnam, November **2014**.

LANGUAGE PROFICIENCY:

- Native Vietnamese speaker
- Good written and spoken English

CHEMISTRY INSTRUMENTATION EXPERTISE:

Single + Powder X-ray Diffraction

Volumetric Gas Adsorption

Material characterization instruments (TGA, FT-IR, UV-VIS)

Air-Free techniques including Glovebox + Schlenk Line

Electrical instruments (Impedance Analyzer)