

CURRICULUM VITAE

Name Miss Bunlawee Yotnoi

Date of Birth June 21, 1984

Education

- B.S. (Chemistry, 1st class honor), Department of Chemistry, Faculty of Science, Chiang Mai University, Chiang Mai, THAILAND, 2003 – 2006.
- Demonstration School of Chiang Mai University, Chiang Mai, THAILAND, 1997 – 2002.

Scholarship

- The Royal Golden Jubilee Ph.D. Program of the Thailand Research Fund, 2007 – 2012.
- The Royal Thai Government (Undergraduate Scholarship Human Resources Development in Science Program), 2003 – 2006.

Research experiences

- Research activity at University of Hull, Hull, UNITED KINGDOM under the supervision of Dr. Timothy J. Prior, April 1st, 2011 – September 30th, 2011.
- Research activity at Indian Institute of Science, Bangalore, INDIA under the supervision of Prof. Srinivasan Natarajan, October 1st, 2009 – March 23rd, 2010.

Publications

- B. Yotnoi, A. Rujiwatra, M. L. P. Reddy, D. Sarma, S. Natarajan, “Lanthanide Sulfate Frameworks: Synthesis, Structure, and Optical Properties”, *Crystal Growth & Design*, **11** (2011) 1347.
- T. J. Prior, B. Yotnoi, A. Rujiwatra, “Microwave synthesis and crystal structures of two cobalt–4,4’–bipyridine–sulfate frameworks constructed from 1–D coordination polymers linked by hydrogen bonding”, *Polyhedron*, **30** (2010) 259.
- B. Yotnoi, A. Seeharaj, Y. Chimupala, A. Rujiwatra, “Tris(ethylenediamine) cobalt(II) sulfate”, *Acta Crystallographica E*, **E66** (2010) m628.
- S. Luachan, B. Yotnoi, T. Prior, A. Rujiwatra, “1–Butyl–1,4–diazabicyclo [2.2.2]octon–1–ium– κ N⁴ trichloridocobalt(II)”, *Acta Crystallographica E*, **E65** (2009) m321.

- B. Yotnoi, J. Limtrakul, T. Prior, A. Rujiwatra, “Preparation and Characterization of Bis(1,2-diaminoethane)cobalt(II) Hexavanadate: A Layered Polyoxovanadate Pillared by a Cobalt Coordination Complex”, *Journal of Chemical Crystallography*, **39** (2009) 525.
- B. Yotnoi, S. Luachan, T. J. Prior, A. Rujiwatra, “Intercalated brucite-type layered cobalt(II) hydroxysulfate” *Acta Crystallographica E*, **E65** (2009) i52.
- B. Yotnoi, S. Yimklan, T. J. Prior, A. Rujiwatra, “Microwave Assisted Crystal Growth of a New Organic Decavanadate Assembly: $[V_{10}O_{27}(OH)] \cdot 2(C_6N_2H_{14}) \cdot (C_6N_2H_{13}) \cdot (C_6N_2H_{12})2H_2O$ ” *Journal of Inorganic and Organometallic Polymers and Materials*, **19** (2009) 306–313

International & National Conferences

- Poster presentation: “Synthetic Control of New Lanthanide Frameworks with a Flexible Polycarboxylate Ligand” *RSC Northern Region Dalton Division meeting*, University of Sheffield, UNITED KINGDOM, June 29th, 2011.
- Poster presentation: “Synthesis, Structure and Optical Properties of New 4,4’-Bipyridine – Intercalated Lanthanide Sulfates Layered Framework” *10th Conference of the Asian Crystallographic Association (AsCA2010)*, Busan Exhibition & Convention Center (BEXCO), Busan, SOUTH KOREA, October 31–November 3, 2010.
- Oral presentation: “New Bipyridine–Intercalated Lanthanide Sulfates Layered Frameworks” *RGJ-Ph.D. Congress XI*, Jomtien Palm Beach Hotel and Resort, Pattaya Chonburi, THAILAND, April 1–3, 2010.

- Oral presentation: “New Cobalt – Organodiamine Frameworks” ***RGJ Seminar Series LXII: Advanced Materials***, The Petroleum and Petrochemical College, Chulalongkorn University, Bangkok, THAILAND, August 7, 2009.
- Poster presentation: “Microwave Synthesis and Crystal Growth of $[\text{Co}(\text{H}_2\text{O})_4(\text{bipy})].(\text{H}_2\text{bipy}).2(\text{SO}_4).2\text{H}_2\text{O}$ ” ***ICMAT & IUMRS-ICA 2009***, Suntec Singapore International Convention & Exhibition Centre, SINGAPORE, June 29 – July 3, 2009.
- Poster presentation: “Microwave Synthesis and Crystal Growth of $[\text{Co}(\text{H}_2\text{O})_4(\text{bipy})].(\text{H}_2\text{bipy}).2(\text{SO}_4).2\text{H}_2\text{O}$ ” ***RGJ-Ph.D Congress X***, Jomtien Palm Beach Hotel and Resort, Pattaya Chonburi, THAILAND, April 3–5, 2009.
- Oral presentation: “Crystal Growth and Structure of New Organodiamine Hybrid Vanadium – Cobalt Oxide Framework, $\text{Co}(\text{C}_2\text{N}_2\text{H}_8)_2[\text{V}_4^{\text{IV}}\text{V}_2^{\text{V}}\text{O}_{14}]$ ”, ***Smart/Intelligent Materials and Nanotechnology and 2nd International Workshop on Functional Materials and Nanomaterials (Smartmat-08' & IWOFM-2)***, Department of Physics, Faculty of Science, Chiang Mai University, Chiang Mai, THAILAND, April 22–25, 2008.
- Oral presentation: “Rapid Crystal Growth of $[\text{V}^{\text{V}}_{10}\text{O}_{26}(\text{OH})_2].(\text{C}_6\text{N}_2\text{H}_{14}).2(\text{C}_6\text{N}_2\text{H}_{13}).(\text{C}_6\text{N}_2\text{H}_{12}).2\text{H}_2\text{O}$ by Microwave Assisted Hydrothermal Technique”, ***RGJ Seminar Series***, Chiang Mai University, Chiang Mai, THAILAND, March 28, 2008.

Activities

- Participant in Workshop for *ab initio* Powder Structure Determination for Chemists and Materials Scientists & 3rd Powder Crystallography Tutorial Course, Pohang Accelerator Laboratory, Pohang, SOUTH KOREA, October 27–29, 2010.
- Participant in Sokendai Asian Winter School “Molecular Sciences on Different Space–Time Scales”, Okazaki Conference Center, National Institutes for Natural Sciences, Okazaki, JAPAN, December 9 – 12, 2008.
- Participant in ICMR Summer School on Periodic Structures and Crystal Chemistry, University of California, Santa Barbara, USA, July 27 – August 9, 2008.
- Participant in ICMR–JNCASR Winter School on the Physics and Chemistry of Inorganic Material, JNCASR, Bangalore, INDIA, December 6 – 13, 2007.