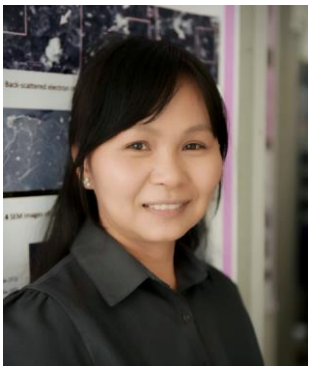

รองศาสตราจารย์ ดร. ฐปนีย์ สารครศรี

Associate Professor Dr. Thapanee Sarakonsri

Department of Chemistry, Faculty of Science,
Chiang Mai University, Chiang Mai, 50200 Thailand
Tel: +66-53-943341-5 Ext. 221 Mobile: 089-1911320
Fax: +66-53-892277
E-mail: tsarakonsri@gmail.com

EDUCATIONAL BACKGROUND

1999-2002	PhD (Material Science and Engineering) Michigan Technological University, Houghton, U.S.A.
1996-1999	M.S. (Metallurgical Engineering) Michigan Technological University, Houghton, U.S.A
1990-1994	B.S. (Chemistry) Khon Kean University, Khon Kean, Thailand

FIELDS OF SPECIALLIZATION

- Materials Science, Specialize in TEM and XRD techniques for material science applications
- Chemical synthesis of nanoparticles metals and alloys

PROFESSIONAL EXPERIENCE RECORD

March-April 1999	Visiting Researcher, Chemical Technology Division, Argonne National Laboratory, Ilinois, USA
Jan-April 2000	Visiting Researcher, Chemical Technology Division, Argonne National Laboratory, Ilinois, USA
Sept-Nov 2000	Visiting Researcher, Chemical Technology Division, Argonne National Laboratory, Ilinois, USA
June-Oct 2008	Visiting Researcher, Chemical Department, Imperial College, London, UK

PUBLICATIONS (2011-Now)

1. Capacity fade in Sn–C nanopowder anodes due to fracture, K. E. Aifantis, T. Huang, S. A. Hackney, **T. Sarakonsri**, A. Yu,, Journal of Power Sources, 197 (2012) 246-252
2. Preparation of Pt-based ternary catalyst as cathode material for proton exchange membrane fuel cell by solution route method, Thungprasert, S., **Sarakonsri, T**., Klysubun, W., Vilaithong, T. Journal of Alloys and Compounds, 509 (24) (2011) 6812-6815.
3. Elecetrochemical deposition of precious metal on carbon nanotube for methanol oxidation, Saipanya, S., **Sarakonsri, T**., Wongtap, P. (2012) Materials Research Bulletin, 47(2012)2765-2766
4. Morphological study of SnSb/graphite composites influenced by different ratio of Sn:Sb, K. Adpakpang, **T.Sarakonsri**, K.E. Aifantis and S.A. Hackney, Reviews on Advanced Materials Science Journal, 32 (2012) 12-18.
5. Synthesis and characterization of $CuGaSe_2$ nanoparticles prepared by a microwave method, S. Tongpeng, **T. Sarakonsri**, H. Kurata, and Y. Shinoda, Journal of ceramics processing, Vol.13 No.6 (2012).
6. Green Synthesis of Silver Nanoparticles Using a Vitamin C Rich Phyllanthus Emblica Extract, S. Mookriang, A. Jimtaisong, N. Saewan, K. Kittigowittana, P. Rachtanapun, V. Pathawinthranond, **T. Sarakornsri**, Advanced Materials Research Vols. 622-623 (2013) pp 864-868
7. Preparation of Non-noble Metals Supported on Carbon by Polymer Templation Method for Solid Alkaline Fuel cells, C. Khonkeng, N. Pantamas*, S. Thungprasert **T. Sarakonsri**, A. Chaisena, International Journal of Engineering Research and Applications (IJERA), Vol. 3, Issue 1, January -February 2013, pp.556-559
8. Laokawee, V., **Sarakonsri, T**., Thanachayanont, C., Synthesis of $CdIn_2Se_4$ and $Cu_{0.5}Ag$

$_{1.5}InSe_3$ compounds via chemical and solid-State methods (2014) Journal of Electronic Materials, 43 (4), pp. 1195-1199.
9. Jarulertwathana, B., **Sarakonsri, T**., Preparation of SiO_2/Cu composites via modified stöber and microwave-assisted methods (2014) Journal of Ceramic Processing Research, 15 (6), pp. 389-392.
10. Thungprasert, S., **Sarakonsri, T**., Vilaithong, T. Solution route synthesis of PtCuNi nano-particles supported on treated carbon, electrocatalysts for ORR (2014) Journal of Ceramic Processing Research, 15 (5), pp. 320-324.
11. Themsirimongkon, S., **Sarakonsri, T**., Lapanantnoppakhun, S., Saipanya, S., Synthesis of PtxPdy nanoparticles decorated functionalized carbon nanotubes as highly anodic catalysts for formic acid fuel cells (2015) International Journal of Electrochemical Science, 10(7), pp. 5737 – 5746
12. Sirirak R., **Sarakonsri T**., Medhesuwakul M., Non-platinum nanocatalyst on porous nitrogen-doped carbon fabricated by cathodic vacuum arc plasma technique (2015) Applied Surface Science, 356, pp. 512-520
13. Tongpeng S., **Sarakonsri T**., Isoda S., Haruta M., Kurata H., Thanachayanont C., Electron Microscopy investigation of $Sb_{2-x}Bi_xTe_3$ hexagonal crystal structure growth prepared from sol–gel method, Materials Chemistry and Physics, Volume 167, 1 November 2015, Pages 246-252
14. Kawasaki M., Sompetch K., **Sarakonsri T**., Shiojiri M., Scanning transmission electron microscopy analysis of Ge(O)/(graphitic carbon nitride) nanocomposite powder, Materials Characterization, Volume 110, December 2015, Pages 60-67
15. Waket, T., **Sarakonsri, T**., Aifantis, K.E., Hackney, S.A. Preparation of tin and tin sulfide alloy on carbons and graphene via chemical method for use as anodes in lithium-ion batteries (2016) Journal of Ceramic Processing Research, 17 (2), pp. 73-79.
16. Kawasaki, M., Autthawong, **T., Sarakonsri**, T., Shiojiri, M. Characterization of $CdS_{0.9}Se_{0.1}$ powder by scanning transmission electron microscopy (2016) Chiang Mai Journal of Science, 43 (2), pp. 282-287.

BOOKS

1. High Energy Density Lithium Batteries, Materials, Engineering, Applications, K.E.Aifantis, S.A. Hackney, and R.V.Kumar, Wiley-VCH, 2010 (Co-Writer of Chapters 1, 2, and 3)
2. แบตเตอรี่ เทคโนโลยีและพลังงานทางเลือกของอนาคต ฐปนีย์ สารครศรี (2555)