

VITA

Name: Sumalee Tanikkul

Date of Birth: April 21, 1969

Academic status:

- B.S. (Chemistry) Second Class Honor, Prince of Songkla University, 1992
- M.S. (Analytical Chemistry), Prince of Songkla University, 1995
- Ph.D. (Chemistry), Chiang Mai University, 2004

Practical Experience:

- Visiting Graduate Student of Chemistry Department, University of Washington, Seattle, Washington, USA, 2001-2002.
- Supervised a final year undergraduate student in a senior project in Analytical Chemistry at King Mongkut's University of Technology Thonburi, Bangkok, Thailand, 1999.
- Lecturer in Analytical Chemistry, Department of Chemistry, Faculty of Science, King Mongkut's University of Technology Thonburi, Bangkok, Thailand, 1996-2000.

Awards/Scholarships:

- The Ministry of University Affairs (MUA) under the Collaborative Ph.D. program.
- The Postgraduate Education and Research Program in Chemistry (PERCH).
- The Graduate School, Chiang Mai University, Chiang Mai, Thailand.

List of Publications:

International Journals

1. **Tanikkul, S.**, Jakmunee, J., Lapanantnoppakhun, S., Rayanakorn, M., Sooksamiti, P., Synovec, R.E., Christian, G.D. and Grudpan, K., “Flow Injection In-valve Mini-column Pretreatment Combined with Ion Chromatography for Cadmium, Lead and Zinc Determination”, *Talanta*, accepted.
2. **Tanikkul, S.**, Jakmunee, J., Rayanakorn, M., Grudpan, K., Marquardt, B.J., Gross, Q.M., Prazen, B.J., Burgess, L.W., Christian, G.D. and Synovec, R.E., “Characterization and Use of a Raman Liquid-core Waveguide Sensor Using Preconcentration Principles”, *Talanta*, 59 (2003) 809.

International Conferences

1. **Tanikkul, S.**, Jakmunee, J., Lapanantnoppakhun, S., Rayanakorn, M., and Grudpan, K., “Flow Injection In-valve Mini-column Pretreatment Combined with Ion Chromatography for Cadmium, Lead and Zinc Determination”, 12th International Conference on Flow Injection Analysis, Merida, Venezuela, 2003.
2. **Tanikkul, S.**, Jakmunee, J., Rayanakorn, M., Grudpan, K., Marquardt, B.J., Gross, Q.M., Prazen, B.J., Burgess, L.W., Christian, G.D., and Synovec, R.E., “Raman Liquid-core Waveguide Sensor for Preconcentration Characterization and Quantitation”, 9th International Conference on Flow Analysis, Geelong, Australia, 2003.

3. Prazen, B.J., Gross, Q.M., **Tanikkul, S.**, Staggemeier, B.A., Kim, J., Marquardt, B.J., and Synovec, R.E., "Process Liquid Chromatography: Hyphenated System; LC-Raman Waveguide Characterization for Use as a Preconcentration Sensor", CPAC Semiannual Sponsor Meeting Preliminary Program, Seattle, Washington, USA, 2002.
4. Costin, C.D., Gross, Q.M., Staggemeier, B.A., **Tanikkul, S.**, and Synovec, R.E., "Process Liquid Chromatography and Microfabricated Liquid Analyzers", CPAC Semiannual Sponsor Meeting Preliminary Program, Seattle, Washington, USA, 2002.
5. Prazen, B.J., Gross, Q.M., **Tanikkul, S.**, Staggemeier, B.A., Kim, J., Marquardt, B.J., and Synovec, R.E., "Process Liquid Chromatography: Hyphenated System, CPAC Semiannual Sponsor Meeting Preliminary Program, Seattle, Washington, USA, 2001.
6. Costin, C.D., Gross, Q.M., Staggemeier, B.A., **Tanikkul, S.**, and Synovec, R.E., "Process Liquid Chromatography and Microfabricated Liquid Analyzers", CPAC Semiannual Sponsor Meeting Preliminary Program, Seattle, Washington, USA, 2001.

National Conferences

1. **Tanikkul, S.**, Jakmunee, J., Lapanantnoppakhun, S., Rayanakorn, M. and Grudpan, K."Simultaneous Determination of Cadmium, Lead and Zinc with Flow Injection-Ion Chromatography", The third PERCH annual Scientific Conference (PERCH Conference III), Pattaya, Chonburi, Thailand, 2004

2. **Tanikkul, S.**, Jakmune, J., Lapanantnappakhun, S., Rayanakorn, M. and Grudpan, K., “Determination of Some Cations Using Flow Injection-ion Chromatography”, The 2nd Annual Symposium on TRF Senior Research Scholar on Flow-based Analysis, Chiang Mai University, Chiang Mai, Thailand, 2003.
3. **Tanikkul, S.**, Grudpan, K., Rayanakorn, M., Jakmune, J., Marquardt, B.J., Gross, Q.M., Prazen, B.J., Burgess, L.W., Christian, G.D., and Synovec, R.E., “Analysis of Benzene, Toluene and *p*-Xylene Mixture using Raman Liquid-core Waveguide Sensor, The second PERCH annual Scientific Conference (PERCH Conference II), Pattaya, Chonburi, Thailand, 2003.
4. **Tanikkul, S.**, Jakmune, J., Rayanakorn, M., Grudpan, K., Marquardt, B.J., Gross, Q.M., Prazen, B.J., Christian, G.D and Synovec, R.E., “Characterization and Use of Raman Waveguide Sensor Using Preconcentration Principles”, 28th Congress on Science and Technology of Thailand, Bangkok, Thailand, 2002.