



CURRICULUM VITAE

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Education:

1996-1999	B.Sc. (Medical Technology) Honor, Chulalongkorn University
2000-2006	Ph.D. (Medical Technology), Mahidol University
2009-2012	B.H.Econ. (Community Nutrition), Sukhothai Thammathirat Open University

Scientific Journeys :

2004-2005	One-year training at Department of Pure and Applied Biochemistry, Lunds University, Sweden, under the supervision of Prof. Leif Bülow, PhD
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Professional certification : Medical Technologist, MT license

Current position : Lecturer, Medical Technology Program

Fellowship/Grant/Award Information:

- Full Scholarship of university staff for Ph.D. study given by the Royal Thailand Government

List of Publications :

1. Isarankura-Na-Ayudhya C, **Suwanwong Y**, Boonpangrak S, Kiatfuengfoo R, Prachayasittikul V. Co-expression of zinc binding motif and GFP as a cellular indicator of metal ions mobility. *Int J Biol Sci.* 2005; 1(4): 146–151.
2. Prachayasittikul V, Isarankura-Na-Ayudhya C, **Suwanwong Y**, Tantimavanich S. Construction of chimeric antibody binding green fluorescent protein for clinical application.

EXCLI J. 2005; 4: 19-104

3. **Suwanwong Y**, Kvist M, Isarankura-Na-Ayudhya C, Tansila N, Bülow L, Prachayasittikul V. Chimeric Antibody-Binding *Vitreoscilla* Hemoglobin (VHb) Mediates Redox-Catalysis Reaction: New Insight into the Functional Role of VHb. *Int J Biol Sci.* 2006; 2(4): 208–215.
4. **Suwanwong Y**, Isarankura-Na-Ayudhya C, Bülow L, Prachayasittikul V. Insight into the genetic engineering of chimeric antibody-binding green fluorescent proteins for immunological taggers. *EXCLI J.* 2006; 5: 1614-178
5. **Suwanwong Y**, Moungkote T, Wiwanitkit V, Soogarun S. Detection of dengue virus by simple RT-PCR using universal degenerate primers: a comment from preliminary study. *Arch Hell Med.* 2010; 27(5): 818-821.
6. Pleonsilp P, **Suwanwong Y**. An in vitro study of c-phycoyanin activity on protection of DNA and human erythrocyte membrane from oxidative damage. *J Chem Pharm Res.* 2013; 5(5): 332-336.
7. Pleonsilp P, Soogarun S, **Suwanwong Y**. Anti-oxidant activity of holo- and apo-c-phycoyanin and their protective effects on human erythrocytes. *Int J Biol Macromol.* 2013; 60:393-398.
8. **Suwanwong Y**, Kulkerartiyut S, Prachayasittikul V, Boonpangrak S. Effects of polymerization methods and functional monomers on curcumin Imprinted polymer properties. *Sep Sci Technol.* 2014; 49:1086-1095.
9. Tantirapan P, **Suwanwong Y**. Anti-proliferative effects of C-phycoyanin on a human leukemic cell line and induction of apoptosis via the PI3K/AKT pathway. *J Chem Pharm Res.* 2014; 6(5):1295-1301.
10. Cherdkiatikul T, **Suwanwong Y**. Production of the α and β subunits of spirulina allophycocyanin and c-phycoyanin in *Escherichia coli*: A comparative study of their antioxidant activities. *J Biomol Screen.* 2014; 19(6):959-965.
11. Boonpangrak S, Lalitmanat S, **Suwanwong Y**, Prachayasittikul S, Prachayasittikul V. Analysis of ascorbic acid and isoascorbic acid in orange and guava fruit juices distributed in Thailand by LC-IT-MS/MS. *Food Anal Methods.* 2016; 9(6):1616-1626.

Conferences and Proceedings :

1. **Suwanwong Y**, Isarankura-Na-Ayudhya C, Prachayasittikul V. Genetic construction of chimeric antibody-binding green fluorescent protein fusion for immunodiagnosis. The Fifth Princess Chulabhorn International Science Congress. 16-20 August 2004, Bangkok, Thailand.
2. **Suwanwong Y**, Yainoy S, Bernaudat F, Isarankura-Na-Ayudhya C, Bülow L ,

- Prachayasittikul V. Re-engineering of of chimeric antibody-binding green fluorescent proteins for using as immunotaggers. 31st Congress on Science and Technology of Thailand. 18 – 20 October 2005, Nakornrachasima, Thailand.
3. Isarankura-Na-Ayudhya C, **Suwanwong Y** , Boonpangrak S, Prachayasittikul V. Co-expression of zinc binding motif and GFP as a cellular indicator of metal ions mobility. 31st Congress on Science and Technology of Thailand. 18 – 20 October 2005, Nakornrachasima, Thailand.
 4. Tansila N, **Suwanwong Y**, Kvist M, Isarankura-Na-Ayudhya C, Bülow L, Prachayasittikul V. Construction of chimeric antibody-binding *Vitreoscilla* hemoglobin providing peroxidase-like activity for immunological diagnosis. 32nd Congress on Science and Technology of Thailand. 10-12 October 2006, Bangkok, Thailand.
 5. **Suwanwong Y**, Meunraya S, Sirimahakul S, Soogarun S. Detection of Dengue Virus by Simple RT-PCR using universal degenerate primers: a study in mononuclear cells. Joint International Tropical Medicine Meeting 29-30 November 2007, Bangkok, Thailand.
 6. ญาณินาถ สุวรรณวงศ์, เกษม ชื่นเปรมปรีดิ์, ธิติ เชิดเกียรติกุล, เจนภพ อันประเสริฐพร, ศิริพงศ์วิวัฒน์ นากันตัง, สุริยพงศ์ กุลกิริติยุด. การสังเคราะห์พอลิเมอร์รอยประทับเพื่อสกัดสารเคอร์คูมินอยด์จากขมิ้นชัน. การประชุมวิชาการประจำปีการแพทย์แผนไทย การแพทย์พื้นบ้านไทย และการแพทย์ทางเลือกแห่งชาติ ครั้งที่ 8. 31 สิงหาคม - 2 กันยายน 2554. กรุงเทพฯ. ประเทศไทย.
 7. **Suwanwong Y**, Pleonsil P, Soogarun S. Anti-oxidant activity of c-phycoyanin and recombinant apo-c-phycoyanin (β) and their effects on erythrocyte tolerance against oxidative stress. The 13th International Conference of FFC – 1st International Symposium of ASFFBC: Functional and Medical Foods with Bioactive Compounds: Science and Practical Application. 11-12 May 2013, Kyoto, Japan.
 8. ญาณินาถ สุวรรณวงศ์, วิเศษณ์ ชัยวัชรยุทธ, อนุวัฒน์ ทุมละฉายา. Effects of c-phycoyanin on protection of DNA and membrane proteins from oxidative damage. การประชุมวิชาการประจำปี ทางเทคนิคการแพทย์ ครั้งที่ 37. 22-25 เมษายน 2556. ชลบุรี. ประเทศไทย
 9. Cherdkiatikul T, **Suwanwong Y**. Cloning of recombinant allophycocyanin and cphycocyanin α and β subunit and study of their antioxidant activities. The 39nd Congress on Science and Technology of Thailand. 21-23 October 2013, Bangkok, Thailand.

Research interest :

- Engineering of bio- and chemopolymers for biological applications
- Anti-oxidant and anti-cancer effects of cyanobacteria and edible plant extracts