CURRICULUM VITAE

Wandee Sirichokchatchawan, PhD

Lecturer at College of Public Health Sciences,
Chulalongkorn University

OFFICE ADDRESS

College of Public Health Sciences, Chulalongkorn University (CPHS)
11th floor Institute Building 3, Soi Chulalongkorn 62,
Phyathai Road, Pathumwan Bangkok 10330, Thailand
Phone: +66 22188042 (direct)
Mobile Phone: +66 98-193-9694
E-mail: Wandee.S@chula.ac.th
wandee.sirichok@gmail.com

PERSONAL INFORMATION

Date of Birth: January 12, 1987
Age: 31 years old
Nationality: Thai
Gender: Female

EDUCATION

Ph.D. (Veterinary Pathobiology) 2011-2017
Chulalongkorn University, Thailand
Thesis: Selection of lactic acid bacteria isolated from swine against pathogenic bacteria and porcine epidemic diarrhea (PED) virus

M.Sc. (Molecular Biology & Pathology of Viruses) 2009-2010
Imperial College London, United Kingdom
Thesis: Effects of SOCS proteins on Hepatitis C replication

B.Sc. (Hons, Biological Sciences) 2005-2009
Mahidol University International College, Thailand
Thesis: Bacterial identification via machine learning approaches

AREA OF EXPERTISE AND RESEARCH

PUBLIC HEALTH RESEARCH

- A One health approach to- Antimicrobial Resistance, Food safety, Infectious diseases and Zoonosis
- Gut microbiome and Health
- Nutrition and Health
- Probiotics

LABORATORY

- Bacterial antibiotic resistance

  (Disk diffusion, MICs, Antibiotic resistance gene detection)
- Microbiology

- Isolation, and phenotypic and genotypic identification of:

- Gut microbiome

- Lactic acid bacteria
- Molecular Biology

- Bacterial and cell line culture and maintenance

- DNA and RNA isolation

- PCR, qRT-PCR, and Protein profiling

CURRENT PROJECTS

1. Healthy Thai Mom in 4.0 Smart Generation (Co-PI; PI on sub-project: diet and nutrition on pregnancy outcomes via mobile application)
2. Assessment of food safety knowledge, attitude and practices among migrant food handlers in food establishments, Bangkok Province (PI)
3. A situation analysis for natural disasters' mitigation plan and water quality technology assessment through a multidisciplinary approach (Co-PI)
4. Youth Friendly Health Services Utilization in Thailand (Co-PI)

PUBLICATIONS

1. **Sirichokchatchawan, W.**, Pupa, P., Praechansri, P., Am-in, N., Tanasupawat, S., Sonthayanon, P., & Prapasarakul, N., **2018**. Autochthonous lactic acid bacteria isolated from pig faeces in Thailand show probiotic properties and antibacterial activity against enteric pathogenic bacteria. Microb Pathog. 119, 208-215. doi.org/10.1016/j.micpath.2018.04.031
2. **Sirichokchatchawan, W.,** Temeeyasen, G., Nilubol, D., & Prapasarakul, N., **2017**. Protective effects of cell-free supernatant and live lactic acid bacteria isolated from Thai pigs against a pandemic strain of porcine epidemic diarrhea virus. *Probiotics & Antimicro. Prot*., 1-8. doi:10.1007/s12602-017-9281-y
3. **Sirichokchatchawan, W.**, Tanasupawat, S., Niyomtham, W., & Prapasarakul, N., **2017**. Identification and antimicrobial susceptibility of lactic acid bacteria from fecal samples of indigenous and commercial pigs. *Thai J Vet Med.* 47(3), 329-338.

CONFERENCE PROCEEDINGS

1. **W. Sirichokchatchawan,** S. Tanasupawat, N Prapasarakul. Characteristics of lactic acid bacteria intended for probiotic use from indigenous and commerical pig feces in Thailand. The 24th International Pig Veterinary Society Congress (IPVS) / 8th European Symposium of Porcine Health Management (ESPHM) 07-10 June 2016. Dublin, Ireland.

2. **W. Sirichokchatchawan**, N Prapasarakul. Antimicrobial activity of putative probiotics isolated from feces of indigenous and commercial pigs in Thailand. The 24th International Pig Veterinary Society Congress (IPVS) / 8th European Symposium of Porcine Health Management (ESPHM) 07-10 June 2016. Dublin, Ireland.
3. **W. Sirichokchatchawan**, S. Tanasupawat, N Prapasarakul. Genetic and Phenotypic Identifications of Putative Probiotic Candidate Bacteria Derived from Pigs in Thailand. 14th Chulalongkorn University Veterinary Conference. 20-22 April 2015. Thailand.
4. **W. Sirichokchatchawan**, S. Tanasupawat, N Prapasarakul. Genetic and Phenotypic Identifications of Putative Probiotic Candidate Bacteria Derived from Pigs in Thailand. 14th Chulalongkorn University Veterinary Conference. 20-22 April 2015. Thailand.
5. **W. Sirichokchatchawan**, N Prapasarakul. In vitro assessment of cell surface characteristics of presumptive lactic acid bacteria from pig feces. 16th Chulalongkorn University Veterinary Conference. 22-24 March 2017. Thailand.
6. P. Praechansri, **W. Sirichokchatchawan**, N Prapasarakul. In vitro antibacterial activities of Thai presumptive probiotics against common enteric pathogens in pigs. 16th Chulalongkorn University Veterinary Conference. 22-24 March 2017. Thailand.
7. P. Pupa, N. Muangsin, N. Pirarat, **W. Sirichokchatchawan**, N. Prapasarakul. Microencapsulation in alginate/chitosan linkage to enhance viability of porcine lactic acid bacteria. 16th Chulalongkorn University Veterinary Conference. 22-24 March 2017. Thailand.

PERSONAL SKILLS

Language:	Thai-Fluent; English-Fluent; Chinese-Basic
Other Skills:	Microsoft Offices
	MEGA software
	BioEdit
	ContigExpress
	Mothur
	QIIME

EXTRA CURRICULAR ACTIVITIES

- Assisted and cooperated with the Australian Embassy for "Abandoned Boudoir" project of "The "Bangkok International Design Festival 2010"
- A student committee member of Thai society (Imperial College London, 2009-2010)
- An exchanged student, major in biological science, to University of North Carolina, Chapel Hill (2007-2008).
- Awarded 1st place in Chinese exam for summer course in China (2007)