

## Curriculum Vitae

**Name:** Mrs. Malai Taweechotipatr  
**Academic position:** Assistant professor  
**E-mail address:** [malai@g.swu.ac.th](mailto:malai@g.swu.ac.th), malaimt@yahoo.com  
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### Education

1989 B.Sc. (Zoology), Chulalongkorn University, Bangkok, Thailand,  
1996 M.Sc. (Medical Microbiology), Chulalongkorn University,  
Bangkok, Thailand  
2009 Ph.D. (Medical Microbiology), Chulalongkorn University,  
Bangkok, Thailand

### Working experience:

1989-1990 Research assistant, Department of Microbiology, Faculty of Science,  
Mahidol University, Bangkok, Thailand  
1997-1998 Instructor, Department of Biology, Faculty of Science,  
Mahasarakham University, Mahasarakham, Thailand  
1998-present Instructor, Department of Microbiology, Faculty of Medicine,  
Srinakharinwirot University, Bangkok, Thailand

### Scholarship/ Fellowship:

2003-2006 Commission on Higher Education, Ministry of Education, Thailand  
2003-2008 The Royal Golden Jubilee Ph.D Program,  
The Thailand Research Fund, Thailand

### Experienced/Skill:

1. Continuous culture of malaria
2. Culture and maintain life cycle of filaria
3. ELISA technique
4. SDS-PAGE technique
5. Western Blot analysis
6. Preparation of polyclonal antibody in animal model
7. Cell culture technique
8. Molecular technique and phylogenetic analyses
9. Probiotics
10. Antimicrobial activity testing

### Publications:

1. Luempol M, Lipipun V, Saitanu K, Thoongsuwan S. Characterization of potassium thiocyanate extract from *Pasteurella multocida* mutants of low virulence. 13th Annual Conferences in Pharmaceutical Science 1996:93-101.

2. Lipipun V, De-Eknamkul W, Luempol M. Determination of colchicine in *Gloriosa superba* L. by enzyme-linked immunosorbent assay. *Thai J Pharm Sci.* 1996;20(2):119-26.
3. Taweechoatipatr M. Antifungal activities of some medicinal plants. *Med J Srinakharinwirot.* 2003;10(2):59-65.
4. Spinler JK, Taweechoatipatr M, Rognerud CL, Oub CN, Tumwasorn S, Versalovic J. Human-derived probiotic *Lactobacillus reuteri* demonstrate antimicrobial activities targeting diverse enteric bacterial pathogens. *Anaerobe* 2008;14:166-71.
5. Taweechoatipatr M, Iyer C, Spinler JK, Versalovic J, Tumwasorn S. *Lactobacillus saerimneri* and *Lactobacillus ruminis*: novel human-derived probiotic strains with immunomodulatory activities. *FEMS Microbiol Lett.* 2009;293:65-72.
6. Wangchuk P, Keller PA, Pyne SG, Taweechoatipatr M, Tonsomboon A, Rattanajak R, Kamchonwongpaisan S. Evaluation of an ethnopharmacologically selected Bhutanese medicinal plants for their major classes of phytochemicals and biological activities. *J Ethnopharmacol.* 2011;137:730-42.
7. Wangchuk P, Keller PA, Pyne SG, Sastraruji T, Taweechoatipatr M, Rattanajak R, Tonsomboon A, Kamchonwongpaisan S. Phytochemicals and biological activities studies of the Bhutanese medicinal plants . *Nat Prod Commun.* 2012;7:575-80.
8. Wangchuk P, Keller PA, Pyne SG, Taweechoatipatr M. Inhibition of TNF- $\alpha$  production in LPS-activated THP-1 monocytic cells by the crude extracts of seven Bhutanese medicinal plants. *J Ethnopharmacol.* 2013;148:1013-7.
9. Wangchuk P, Keller PA, Pyne SG, Korth J, Samten, Taweechoatipatr M, Kamchonwongpaisan S. Antimicrobial, antimalarial and cytotoxicity activities of constituents of a Bhutanese Variety of *Ajania nubigena*. *Nat Pro Commun.* 2013;8:733-6.
10. Wangchuk P, Keller PA, Pyne SG, Taweechoatipatr M, Kamchonwongpaisan S. GC/GC-MS Analysis, isolation and identification of bioactive essential oil components from the Bhutanese medicinal plant, *Pleurosporum amabile*. *Nat Pro Commun.* 2013;8:1305-8.
11. Thamacharoensuk T, Thongchul N, Taweechoatipatr M, Tolieng V, Kodama K, Tanasupawat S. Screening and characterization of lactic acid bacteria from animal faeces for probiotic properties. *Thai J Vet Med.* 2013;43:541-51.
12. Nontakham J, Charoenram N, Upamai W, Taweechoatipatr M, Suksamrarn S. Anti-*Helicobacter pylori* xanthones of *Garcinia fusca*. *Arch Pharmacol Res.* 2013; DOI 10.1007/s12272-013-0266-4.
13. Wangchuka P, Pyne SG, Keller PA, Taweechoatipatr M, Kamchonwongpaisan S. Phenylpropanoids and furanocoumarins as antibacterial and antimalarial constituents of the Bhutanese medicinal plant *Pleurosporum amabile*. *Nat Pro Commun.* 2014;9:957-60.
14. Ladda B, Theparee T, Chimchang J, Tanasupawat S, Taweechoatipatr M. In vitro modulation of tumor necrosis factor  $\alpha$  production in THP-1 cells by lactic acid bacteria isolated from healthy human infants. *Anaerobe* 2015;33:109-16.
15. Chimchang J, Theparee T, Ladda B, Tanasupawat S, Wongstayanon B, Taweechoatipatr M. Antimicrobial properties of a potential probiotic *Lactobacillus* from Thai newborn feces. (Submission).

#### **Review article:**

1. Taweechoatipatr M. Probiotics and gastrointestinal infections. *J Srinakharinwirot Univ (Sci and Tech).* 2010;2(4):25-38.

## Poster presentations:

1. Spinler JK, **Taweechoatipatr M**, Ou CN, Tumwasorn S, Versalovic J. Probiotic *Lactobacillus reuteri* demonstrates antimicrobial activities targeting diverse enteric bacterial pathogens. Molecular Virology & Microbiology Research Retreat; 2006 Nov 17; Baylor College of Medicine, Houston, TX.
2. Spinler JK, **Taweechoatipater M**, Preidis GA, Ou CN, Tumwasorn S, Versalovic J. Probiotic *Lactobacillus reuteri* demonstrates antimicrobial activities targeting diverse enteric bacterial pathogens. International Scientific Association for Probiotics and Prebiotics; 2007 Jun 27-28; London, UK.
3. Spinler JK, **Taweechoatipater M**, Preidis GA, Ou CN, Tumwasorn S, Versalovic J. Human-derived probiotic *Lactobacillus reuteri* demonstrate antimicrobial activities targeting diverse enteric bacterial pathogens. Unite for Sight Conference of Ideas and Exchange of Best Practices to Improve Public Health and International Development; 2008; New Haven, CT.
4. Spinler JK, **Taweechoatipater M**, Preidis GA, Ou CN, Tumwasorn S, Versalovic J. Probiotic *Lactobacillus reuteri* demonstrates antimicrobial activities targeting diverse enteric bacterial pathogens. Royal Golden Jubilee Ph.D. Congress; 2008; Pattaya, Thailand.
5. **Taweechoatipatr M**, Spinler JK, Iyer C, Versalovic J, Tumwasorn S. Isolation and characterization of probiotic *Lactobacillus* spp. with anti-pathogenic and anti-inflammatory activities. Proceedings- RGJ-Ph.D. Congress IX, Jomthien Palm Beach and Resort; 2008 Apr 4-6; Pattaya, Thailand.
6. **Taweechoatipatr M**, Spinler JK, Iyer, C, Versalovic J, Tumwasorn S. Isolation and characterization of probiotic *Lactobacillus* spp. with anti-pathogenic and anti-inflammatory activities. Proceedings -Joint conference in medical sciences 2009; 2009 Jun 22-24; Bangkok, Thailand.
7. Ladda B, Chimchang J, Triviroj T, Tanasupawat S, **Taweechoatipatr M**. Probiotic effects of lactic acid bacteria in the suppression of tumor necrosis factor- $\alpha$  production. Quality of Care and Patient Safety; 2011 Jan 17-18; Faculty of Medicine, Srinakharinwirot University, Nakhonnayok, Thailand.
8. Chimchang J, Ladda B, Triviroj T, Wongsatayanon B, **Taweechoatipatr M**. Screening for anti-proliferative effects of lactic acid bacteria against human cancer cell lines. Quality of Care and Patient Safety; 2011 Jan 17-18; Faculty of Medicine, Srinakharinwirot University, Nakhonnayok, Thailand.
9. Ladda B, Chimchang J, Triviroj T and **Taweechoatipatr M**. Anti-inflammatory activities of lactobacilli isolated from infant feces on tumor necrosis factor- $\alpha$  production. International Symposium of Probiotics & Prebiotics in Pediatrics 2012; 2012 Feb 24-26; Polat Renaissance, Istanbul, Turkey.
10. Chimchang J, Ladda B, Wongsatayanon B, **Taweechoatipatr M**. Effects of lactic acid bacteria isolated from infant feces on cancer cell proliferation. International Symposium of Probiotics and Prebiotics in Pediatrics 2012; 2012 Feb 24-26; Polat Renaissance, Istanbul, Turkey.

## Oral Presentations:

1. **Luempol M**, Lipipun V, Saitanu K, Thoongsuwan S. Characterization of potassium thiocyanate extract from *Pasteurella multocida* mutants of low virulence. 13<sup>th</sup> Annual Conferences in Pharmaceutical Science. 1996:93-101.
2. Lipipun V, Kitcharoen N, **Luempol M**, De-Eknamkul W. Enzyme-linked immunosorbent assay for the determination of colchicine in *Gloriosa superba* L. Proceedings-3rd NRCT-JSPS joint seminar: Current advances in natural product research, Bangkok, Thailand, November 27-29, 1996.

3. **Taweechotipatr M**, Iyer C, Spinler JK, Versalovic J, Tumwasorn S. Characterization of human-derived probiotic *Lactobacillus* spp. with anti-pathogenic and anti-inflammatory activities. *Microb Ecol* 2009 57; 562-588: Proceedings of the 2009 Conference on gastrointestinal function, Chicago, USA. April 20-22, 2009.
4. **Taweechotipatr M**, Spinler J.K, Iyer C, Versalovic J, Tumwasorn S. Isolation and characterization of probiotic *Lactobacillus* spp. with anti-pathogenic and anti-inflammatory activities. Proceedings -Joint conference in medical sciences 2009. Bangkok, Thailand. June 22-24, 2009.

**Awards:** -

**Research of interest:**

1. Isolation and characterization of probiotic bacteria
2. Antagonistic activity of probiotics
3. Immunomodulation of probiotics
4. Anti-cancer effect of probiotics
5. Cholesterol-lowering activity of probiotics
6. Anti-microbial activity of medicinal plants
7. Anti-aging of probiotics

**Proceedings and Books:** -