

## Dr.Paiboon Tunsagool

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### Education

Doctor of Philosophy (Biochemistry), Prince of Songkla University

B.Sc. (Traditional Thai Medicine) (Second Class Honors), Prince of Songkla University

### Expertise

Proteomics, Metabolomics, Metagenomics

### Selected Works

1. **Tunsagool P**, Mhuantong W, Tangphatsornruang S, Am-in N, Chuanchuen R, Luangtongkum T, Suriyaphol. Metagenomics of antimicrobial and heavy metal resistance in the cecal microbiome of fattening pigs raised without antibiotics. *Appl. Environ. Microbiol.* 2021; AEM.02684-20.
2. Wongrattanapipat S, Chirachoenchitta A, Choowongwitthaya B, Komsathorn P, La-ongkham O, Nitisinprasert S, **Tunsagool P**, Nakphaichit M. Selection of potential probiotics with cholesterol-lowering properties for probiotic yoghurt production. *Food Sci. Technol. Int.* 2021.
3. **Tunsagool P**, Wang X, Leelasuphakul W, Jutidamrongphan W, Phaonakrop N, Jaresitthikunchai J, Roytrakul S, Chen G, Li L. Metabolomic study of stress responses leading to plant resistance in mandarin fruit mediated by preventive applications of *Bacillus subtilis* cyclic lipopeptides. *Postharvest Biol. Technol.* 2019; 156: 110946.
4. **Tunsagool P**, Leelasuphakul W, Jaresitthikunchai J, Phaonakrop N, Roytrakul S, Jutidamrongphan W. Targeted transcriptional and proteomic studies explicate specific roles of *Bacillus subtilis* iturin A, fengycin, and surfactin on elicitation of defensive systems in mandarin fruit during stress. *PLoS ONE.* 2019; 14: e0217202.
5. **Tunsagool P**, Jutidamrongphan W, Phaonakrop N, Jaresitthikunchai J, Roytrakul S, Leelasuphakul W. Insights into stress responses in mandarins triggered by *Bacillus subtilis* cyclic lipopeptides and exogenous plant hormones upon *Penicillium digitatum* infection. *Plant Cell Rep.* 2019; 38: 559-575.

6. **Tunsagool P**, Roytrakul S, Phaonakrop N, Jaresitthikunchai J., Leelasuphakul W. Effect of exogenous salicylic acid on protein synthesis in tangerine (*Citrus reticulata* Blanco) fruit under stress. *Agricultural Sci. J.* 2016; 47 : 3 (Suppl.) : 143-146.