



# Assoc. Prof. Dr. SAKSIT NOBSATHIAN (Ph.D.)

## Experience

2012 - present Lecturer, Mahidol University (Nakhonsawan Campus)

## Publication

Ruttanaphan T, Thitathan W, Piyasaengthong N, **Nobsathian S\***, Bullangpoti V\*. Chrysoeriol isolated from *Melientha suavis* Pierre with activity against the agricultural pest *Spodoptera litura*. *Chem Biol Technol Agric.* 2022; 9(21):1-7.

Wiwattanawanichakun P, Saehlee S, Yooboon T, Kumrungsee N, **Nobsathian S\***, Bullangpoti V\*. Toxicity of isolated phenolic compounds from *Acorus calamus* L. to control *Spodoptera litura* (Lepidoptera: Noctuidae) under laboratory conditions. *Chem Biol Technol Agric.* 2022; 9(10):1-5.

Thangnipon W, Ngampramuan S, Suthprasertporn N, Jantrachotechatchawan C, Tuchinda P, **Nobsathian S.** Protective Roles of N-trans-feruloyltyramine Against Scopolamine-Induced Cholinergic Dysfunction on Cortex and Hippocampus of Rat Brains. *Siriraj Medical Journal.* 2021;73(6):413-22.

**Nobsathian, S.**, Saiyaitong, C., Koul, O. et al. The insecticidal potential of *Piper ribesoides* (Piperales: Piperaceae) extracts and isolated allelochemicals and their impact on the detoxification enzymes of *Spodoptera exigua* (Lepidoptera: Noctuidae). *Phytoparasitica* (2021).

Pranweerapaiboon, K., Apisawetakan, S., **Nobsathian, S.** et al. An ethyl-acetate fraction of *Holothuria scabra* modulates inflammation in vitro through inhibiting the production of nitric oxide and pro-inflammatory cytokines via NF- $\kappa$ B and JNK pathways. *Inflammopharmacol* 28, 1027-1037 (2020).

Karnjana K, **Nobsathian S\***, Soowannayan C, Zhao W, Tang YJ and Wongprasert K\*. Purification and Evaluation of N-benzyl Cinnamamide from Red Seaweed *Gracilaria fisheri* as an Inhibitor of *Vibrio harveyi* AI-2 Quorum Sensing. *Mar. Drugs* 2020, 18, 80.

**Nobsathian S**, Ruttanaphan T and Bullangpoti V Insecticidal Effects of Triterpene Glycosides Extracted From *Holothuria atra* (Echinodermata: Holothuroidea) Against *Spodoptera litura* (Lepidoptera: Noctuidae). *Journal Economic Entomology.* 2019, 112 (4), 1683-1687



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## EDUCATION

2010 : Doctor of Philosophy  
(Organic chemistry)  
Mahidol university

2002 : Bachelor of Science  
(Chemistry)  
Kasetsart University

## EXPERTISE

- Phytochemistry
- Instrumental analysis



## Publication

**Nobsathian S**, Ruttanaphan T and Bullangpoti V Insecticidal Effects of Triterpene Glycosides Extracted From *Holothuria atra* (Echinodermata: Holothuroidea) Against *Spodoptera litura* (Lepidoptera: Noctuidae). *Journal Economic Entomology*. 2019, 112 (4), 1683-1687

Srisawang N, **Nobsathian S**, Wirasate S and Chitichotpanya C. pH-induced Crosslinking of Rice Starch via Schiff Base Formation. *Macromolecular Research*, 2019, 27, 1193-1199.

Pranweerapaiboon K, Apisawetakan S, **Nobsathian S**, Itharat A, Sobhon P and Chaithirayanon K. An ethyl-acetate fraction of *Holothuria scabra* modulates inflammation in vitro through inhibiting the production of nitric oxide and pro-inflammatory cytokines via NF- $\kappa$ B and JNK pathways. *Inflammopharmacology*, 2019

**Nobsathian S\***, Bullangpoti V, Kumrungsee N, Wongsa N, Ruttanakum D. Larvicidal effect of compounds isolated from *Maerua siamensis* (Capparidaceae) against *Aedes aegypti* (Diptera: Culicidae) larvae. *Chem Biol Tech Agric* 2018;5(8):1-7.

Jattujan P, Chalorak P, Siangcham, T, Sangpairoj K, **Nobsathian S**, Poomtong T, Sobhon P and Meemon K. *Holothuria scabra* extracts possess anti-oxidant activity and promote stress resistance and lifespan extension in *Caenorhabditis elegans*. *Experimental Gerontology* 2018;110:158-71.

Tangpaisarnkul N, Tuchinda P, Wilairat P, Siripinyanond, A, Shiwattana, J and **Nobsathian S**. Development of pure certified reference material of stevioside. *Food Chemistry* 2018;255:75-80.

Chalorak P, Jattujan P, **Nobsathian S**, Poomtong T, Sobhon P. and Meemon K. *Holothuria scabra* extracts exhibit anti-Parkinson potential in *C. elegans*: A model for anti-Parkinson testing. *Nutritional Neuroscience*. 2018;21:427-38.

Wiwattanawanichakun P, Poonsri W, Yooboon T, Piyasaengthong N, Bullangpoti V, Ratwatthananon A, Pluempanupat W, and **Nobsathian S**. The Possibility of Using Isolated Alkaloid Compounds and Crude Extracts of *Piper retrofractum* (Piperaceae) as Larvicidal Control Agents for *Culex quinquefasciatus* (Diptera: Culicidae) Larvae. *Journal of medical entomology*. 2018; 55(5), 1231-1236.



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