



มหาวิทยาลัยศรีนครินทรวิโรฒ

คณะกายภาพบำบัด

ประวัติและผลงานอาจารย์

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การศึกษา	ปีที่ยจบ	สถาบัน/ประเทศ	วุฒิการศึกษา
2546	จุฬาลงกรณ์มหาวิทยาลัย	วท.บ. (ชีวเคมี)	
2564	มหาวิทยาลัยสุโขทัยธรรมมาธิราช	วท.บ. (อาชีวอนามัยและความปลอดภัย)	
2551	จุฬาลงกรณ์มหาวิทยาลัย	ปร.ด. (ชีวเคมี)	

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- ชีวสารสนเทศศาสตร์ ชีวเคมี สติติ ชีวสติติ และระบาดวิทยา

ด้านการสอน

ได้รับรองคุณภาพด้านการจัดการเรียนการสอนตามกรอบมาตรฐานวิชาชีพของสหราชอาณาจักร (UKPSF) ระดับ FHEA ในปี พ.ศ. 2563

ผลงานวิจัย (5 ปีที่ผ่านมา)

- Thummajitsakul, S., Suppasat, T., Silprasit, K. Glucosidase inhibition and compound identification of stingless bee honey and preserved fruits of *Citrus japonica*. Heliyon. April 2024; 10(830):e29740.
- Suwanchatchai, C., Khuancharee, K., Rattanamongkolgul, S., Kongsomboon, K., Onwan, M., Seeherunwong, A., Chewparnich, P., Yoadsomsuay, P., Buppan, P., Taejarernwiriyaikul, O., Thummajitsakul, S., Chaovipoch, P., Krainara, S., Sanguankittiphon, P., Kosuwin, R., Srimee, P., Odglun, Y., Wongtongtair, S. The effectiveness of community-based interprofessional education for undergraduate medical and health promotion students. BMC Medical Education. December 2024; 24(1): 93.



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3. Silprasit, K., Rimlumduan, T., Phowan, N., Thummajitsakul, S. Index of Atmospheric Purity (IAP) Related to Potential Ecological Risk Indexes (RI) of Heavy Metals Accumulation in Urban Area. *Current Applied Science and Technology*. October 2024; 24(126): e0254863.
4. Thummajitsakul, S., Nattee, K., Nathunli, P., Chompoonick, P. Aekwasinchai, R., Silprasit, K. Phytochemical composition, anti-amylase and anti-acetylcholinesterase activities of leaf extracts and herbal tea of *Dolichandrone serrulata* (DC.) seem. *NFS Journal*. November 2023; 33: 100152.
5. Thummajitsakul, S., Paensanit, P., Saeieo, T., Sirirat, J., Silprasit, K. FTIR and multivariate analysis of total phenolic content, antioxidant and anti-amylase activities of extracts and milk of *Glycine max* L. and *Phaseolus vulgaris* L. *Electronic Journal of Biotechnology*. July 2023; 64:69 – 75.
6. Thummajitsakul, S., Silprasit, K. Kinetics of tyrosinase inhibition, antioxidant activity, total flavonoid content and analysis of *Averrhoa bilimbi* L. Extracts and its fruit vinegar using FTIR and multivariate methods. *Trends in Sciences*. February 2023; 20(2): 3641.
7. Krainara, S., Buppan, P., Thummajitsakul, S., Kosuwin, R. Detection of parasites and coliform bacteria in vegetables from fresh-food markets in Nakhon Nayok province, Thailand. *Southeast Asian Journal of Tropical Medicine and Public Health*. January 2023; 54(1): 16 – 29.
8. Thummajitsakul, S., Piyaphan, P., Khamthong, S., Unkam, M., Silprasit, K. Comparison of FTIR fingerprint, phenolic content, antioxidant and anti-glucosidase activities among *Phaseolus vulgaris* L., *Arachis hypogaea* L. and *Plukenetia volubilis* L. *Electronic Journal of Biotechnology*. January 2023; 61:14 – 23.



9. Thummajitsakul, S., Boonburapong, B. and Silprasit, K. Analysis of flower extract and natural dye solution from *Sesbania javanica* using Fourier-transform infrared spectroscopy (FTIR) chemometrics, and determination of its antioxidant and anti-glucosidase activities. *International Food Research Journal*. June 2022; 29(3): 707 – 722.
10. Thummajitsakul, S., Silprasit, K. Classification of some *Boesenbergia* and *Alpinia* extracts and their medicinal products based on chemical composition, antioxidant activity, and concentration of some heavy metals. *Songklanakarin J. Sci. Technol.* 2021; 43 (1), 160-168.
11. Thummajitsakul, S., Nuanphong, P., Photo, J., Mantong, S., Kosuwin, R., Taejarernwiryakul, O., Silprasit, K. Evaluation of total phenolic content, antioxidant activity and anti-amylase activity of different vegetable and fruit mixtures. *Science & Technology Asia* 2021; 26(2).
12. Thummajitsakul, S., Samaikam, S., Tacha, S., Silprasit, K. Study on FTIR spectroscopy, total phenolic content, antioxidant activity and anti-amylase activity of extracts and different tea forms of *Garcinia schomburgkiana* leaves. *LWT* 2020; 134: 110005.
13. Silprasit, K., Thummajitsakul, S. Short its dna barcode effectively distinguishes the medicinal plants *Cyclea barbata*. *Songklanakarin Journal of Science and Technology* 2020; 42(6): 1197-1206.
14. Thummajitsakul, S., Thongkerd, N., Pholmeesap, B., Phankham, P., Silprasit, K. Assessment of organophosphate and carbamate insecticides and heavy metal contamination in canal-grown water morning glory (*Ipomoea aquatica* forssk) in Nakhon Nayok province, Thailand. *Applied Environmental Research* 2020; 42(1): 26-42.
15. Satachon, P., Keawmoon, S., Rengsungnoen, P., Thummajitsakul, S., Silprasit, K. Source and health risk assessment of heavy metals in non-certified organic rice farming at Nakhon Nayok Province, Thailand. *Applied Environmental Research* 2019; 41(3): 96-106.



16. Thummajitsakul S., Sitthithaworn W., Silprasit K. High performance thin layer chromatography fingerprint and antioxidant activities of *Cyclea barbata* in Thailand. *Agriculture and Natural Resources*. 2019; 53(5); 479-486.
17. Thummajitsakul S, Boonburapong B, Silprasit K. Antioxidant and antidiabetic effects of *Garcinia schomburgkiana* extracts and fermented juices. *Pertanika J. Trop. Agric. Sc.* 2019; 42(1):45-60.
18. Thummajitsakul S., Sangdee C, Thaisa S, Ruengwiroon P, Silprasit K. The monitoring of organophosphorous and carbamate pesticides and heavy metal contents in paddy field soils, water, and rice (*Oryza sativa* L.). *Pertanika J. Trop. Agric. Sc.* 2019; 42(1):61-77.
19. Thummajitsakul S, Subsinsungnern R, Treerassapanich N, Kunsanprasit N, Puttirat L, Kroeksakul P, Silprasit K. Pesticide contamination, heavy metal contents and potential health risks of some vegetables from a local market and family farm in Ongkharak district of Nakhon Nayok province . *Pertanika J. Trop. Agric. Sc.* 2018; 41 (3): 987 - 1001
20. Thummajitsakul S, Silprasit K. Genetic differentiation and antioxidant activities of *Bouea macrophylla* Griffith in Nakhon Nayok province. *J Appl Biol Chem* 2017; 60(1), 41–47
21. Thummajitsakul S, Kaewsri, W, Deetae P. Analysis of intraspecific genetic variation, antioxidant and antibacterial activities of *Zingiber zerumbet*. *International Food Research Journal* 2016; 23(4): 1552-1557.
22. Thummajitsakul S, Praditpol H, Poolaoi J, Silprasit K (2015) Carbamate and Organophosphate Contamination in Soil, Rice, and Water Samples from Rice Paddy Fields in Nakhon Nayok Province. *Applied Environmental Research* 37 (3): 103-109.



1. ศิริกุล ธรรมจิตรสกุล. พลังงาน เมแทบอลิซึม และดีเอ็นเอเทคโนโลยีเพื่อการส่งเสริมสุขภาพ. พิมพ์ครั้งที่ 2. กรุงเทพฯ: สำนักพิมพ์ไอเดียสโตร์; 2561.