

# รศ.ดร.วรพรรณ สิทธิถาวร

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## Research Interest

- การวิเคราะห์คุณภาพ สมุนไพร
- การศึกษากระบวนการ ชีวสังเคราะห์ การโคลน ยีนและการศึกษา าดับ นิวคลีโอไทด์

## บทความวิจัยตีพิมพ์ในวารสารวิชาการระดับชาติและนานาชาติ (update 2025)

1. Manisorn Suksawat, Wullapa Jittachai, Oraya Gavichai, Thanapon Pophanmuen, Sornkanok Vimolmangkang, **Worapan Sitthithaworn** Integrated microscopic, HPTLC, and HRM analyses for differentiating *Centella asiatica* (L.) Urb., *Bacopa monnieri* (L.) Wettst, and *Hydrocotyle umbellata* L. *Sci Rep* 15, 21370 (2025).  
<https://doi.org/10.1038/s41598-025-06188-2>
2. Manisorn Suksawat, **Worapan Sitthithaworn** Differentiation of *Centella asiatica*, *Bacopa monnieri*, and *Hydrocotyle umbellata* and Their Commercial Products using DNA Fingerprint Generated by PCR-RFLP *Thai Pharmaceutical and Health Science Journal* 2024; 19(2): 172-176.
3. Budsarin Kesornnoi, Orawin Prangsaengtong, Duangratana Chuvitkul, **Worapan Sitthithaworn**. Bael leaf oil increases AQP3 expression and exerts wound healing effect in human immortalized keratinocytes. *Naresuan University Journal: Science and Technology* 2023; (31)3: 67-75.
4. Roongpetch Keowkase, Nattanon Kijmankongkul, Wanapong Sangtian, **Worapan Sitthithaworn**. The traditional Thai remedy Tri-Kesornmas promotes oxidative stress resistance, enhances lifespan, and reduces proteotoxicity in *C. elegans*. *Journal of Applied Pharmaceutical Science* 2022; 12(03): 179-190.
5. Lalana Kongkaneromit, **Worapan Sitthithaworn**, Wattanaporn Phattanaphakdee, Narong Sarisuta. Physicochemical properties and stability of nanoemulsions containing *Clinacanthus nutansextract* for postherpetic neuralgia. *Journal of Drug Delivery Science and Technology* 2022; 68 (103116 <https://doi.org/10.1016/j.jddst.2022.103116>).
6. Detmontree Wachisunthon, Sorrapetch Marsud, Subhadhcha Poonsatha, Suwimol Jetawattana, **Worapan Sitthithaworn**. Productivity of L-DOPA in in vitro shoots of *Mucuna pruriens* var. *utilis* enhanced by gamma radiation. *Journal of Applied Pharmaceutical Science* 2021; 11(01): 084-088.
7. Chayut Fongsuk, Lalana Kongkaneromit, Tapanee Hongratanaworakit and **Worapan Sitthithaworn**. HPLC Method Optimization and Validation for Determination of Lycopene and Beta-carotene in Gac Fruit. *Thai Pharmaceutical and Health Science Journal* 2021;16(4): 365-371.

สิทธิบัตร / อนุสิทธิบัตร / รางวัลเกียรติยศ

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