Name

Tawanun Sripisut

Lecturer

Cosmetic Science Program

Education

- PhD (Applied Chemistry), Mae Fah Luang University, 2012
- BSc (Biotechnology), Mae Fah Luang University, 2008

Training

- แนวทางปฏิบัติเพื่อความปลอดภัยทางชีวภาพ หลักสูตรขั้นต้นและปฏิบัติการ, 2017
- Principles of Good Clinical Practice (GCP) Training, 2016

Experience

- Lecturer (Mae Fah Luang University): 2014 - present

Research area

- Phytocosmetics and Cosmeceuticals
- Cosmetic Chemistry
- Natural Products for Cosmetics

Publication

- Anatachodwanit, A., Chanpirom, S., Tree-Udom, T., Kitthaweesinpoon, S., Jiamphun, S., Aryuwat, O., Tantapakul, C., Vinardell, M. P. & **Sripisut, T.*** Upcycled Cocoa Pod Husk: A Sustainable Source of Phenol and Polyphenol Ingredients for Skin Hydration, Whitening, and Anti-Aging. (2025). Life, 15(7), 1126. https://doi.org/10.3390/life15071126
- Chanpirom, S., Khat-udomkiri, N., Tree-Udom, T., Ditthawutthikul, N., Saewan, N., Vinardell, M. P., & **Sripisut, T.*** (2025). Potential of *Cissampelos pareira* L. Pectin as a Bioactive compound in moisturizing and anti-aging applications. *Cosmetics*, *12(1)*, 5. https://doi.org/10.3390/cosmetics12010005
- **Sripisut, T.**, Teja, A., Pengsuwan, N., Tree-udom, T., & Chanpirom, S. (2024). Pectin-like polysaccharide extracted from *Cucumis melo* pulp: Physicochemical, antioxidant, and skin hydration efficacy. Natural Product Research, 1-9. https://doi.org/10.1080/14786419.2024.2434133
- Tantapakul, C., Khat-udomkiri, N., Sitthichai, P., Chomsak, A., Thananusak, N., Phukhatmuen, P., Vinardell, M. P., & **Sripisut, T.*** (2024). Exploring the physicochemical properties of

polysaccharides extracted from cocoa pod husk waste and their efficacy in skin hydration. Industrial Crops and Products, 222, 119940.

- Chanpirom, S., Saewan, N., **Sripisut, T.*** (2022). Alternative utilization of vegetable crop: pumpkin polysaccharide extract and their efficacy on skin hydration. Cosmetics, 9, 113.
- Sitthichai, P., Chanpirom, S., Maneerat, T., Charoensup, R. Tree-Udom, T., Pintathong, P., Laphookhieo, S., **Sripisut, T.*** (2022). *Kaempferia parviflora* rhizome extract as potential anti-acne ingredient. Molecules, 27, 1-16.
- Pintatum, A., Maneerat, W., Logie, E., Tuenter, E., Sakavitsi, M.E., Pieters, L., Berghe, W.V., **Sripisut, T.**, Deachathai, S., Laphookhieo, S. (2020). *In Vitro* Anti-Inflammatory, Anti-Oxidant, and Cytotoxic Activities of Four *Curcuma* Species and the Isolation of Compounds from *Curcuma aromatica* Rhizome. *Biomolecules*, *10*, 799.
- Chaikul, P., **Sripisut, T.**, Chanpirom, S. & Ditthawutthikul, N. (2020). Anti-skin aging activities of green tea (*Camellia sinensis* (L) Kuntze) in B16F10 melanoma cells and human skin fibroblasts. *European Journal of Integrative Medicine*, 40, 101212.
- Chaikul, P*.; **Sripisut, T.**; Chanpirom, S.; Sathirachawan, K.; Ditthawuthikul, N. Melanogenesis inhibitory and antioxidant effects of *Camellia oleifera* seed oil. *Adv Pharm Bull*, **2017**, 7(3), 473-477.
- Chanpirom, S*., **Sripisut, T.**; Sripattanakul, W.; Laoharawee, Y..; Pudhom, K.; Siridechakorn, I.; Maneerat, W. Bioactivity screening of *Curcuma bicolor* extracts for cosmetic applications. *Journal of Science and Technology Ubon Ratchathani University: Special Issue*, **2017**,128-135.
- Wonglakorn, N.; Popin, N.; Chanpirom, S.; Sripattanakul, W.; **Sripisut, T.*** Phytochemical, composition and antioxidant activity of *Cucumis melo* L. by-products. *Journal of Science and Technology Ubon Ratchathani University: Special Issue*, **2017**, 136-145.
- Kitmongkonsak, S.; Chanpirom, S.; Maneerat, W.; **Sripisut, T*** Total phenolic content, antioxidant and anti-tyrosinase activities of *Zingiber officinale* root extracts. *Journal of Science and Technology Ubon Ratchathani University: Special Issue*, **2017**, 146-151.
- Meesakul,P.; Ritthiwigrom, T.; Cheenpracha, S.; **Sripisut, T.**; Maneerat, W.; Machan, T.; Laphookhieo, S. "A new cytotoxic clerodane diterpene from *Casearia graveolens* twigs" Natural Product Communications, **2016**, 11, 13-15.
- Meesakul, P.; Pansanit, A.; Maneerat, W.; **Sripisut, T.**; Ritthiwigrom, T.; Machan, T.; Cheenpracha, S.; Laphookhieo, S. "Xanthones from *Garcinia propinqua* roots" Natural Product Communications, **2016**, 11, 87-90.
- Tantapakul, C.; Maneerat, W.; **Sripisut, T.**; Ritthiwigrom, T.; Andersen, R. J.; Cheng, P.; Cheenpracha, S; Raksat, A.;

Laphookhieo, S. “New benzophenones and xanthones from *Cratoxylum sumatranum* ssp. *neriifolium* and their antibacterial and antioxidant activities” J. Agric. Food Chem., **2016**, 64, 8755-8762.

- Raksat, A.; **Sripisut, T.**; Maneerat, W. “Bioactive xanthones from *Cratoxylum cochinchinense*” Natural Product Communications, **2015**, 10, 1969-1972.
- Tantapakul, C.; **Sripisut, T.**; Maneerat, W; Ritthiwigrom, T; Laphookhieo, S. “Antibacterial compounds from *Glycosmis puberula* twigs” Natural Product Communications, **2014**, 9, 1705-1707.
- Siridechakorn, I.; Maneerat, W.; **Sripisut, T.**; Ritthiwigrom, T.; Cheenpracha,S.; Laphookhieo, S. “Biphenyl and xanthone derivatives from the twigs of *Garcinia sp.*” Phytochemistry Lett., **2014**, 8, 77-80.
- Sriyatep, T.; Maneerat, W.; **Sripisut, T.**; Cheenpracha, S.; Machan, T.; Phakhodee, W.; Laphookhieo, S. “Garciniacowones A and B, two new tetracyclo[7.3.3.33,11.03,7]tetradecane-2,12,14-trione skeleton from *Garcinia cowa* ripening fruits” Fitoterapia, **2014**, 92, 285-289.

Proceedings

- Thapakorn Tree-udom, Peeraya Pakham, Tawanun Sripisut and Setinee Chanpirom. (2021). Encapsulation of Dark Purple Glutinous Rice extract [Cultivar Luem Pua (*Oryza sativa* L.)]. In Proceedings of PPC & PETROMAT SYMPOSIUM (pp. 478-483).
- Patinya Karoh, Jirayut Anusit, Thanapa Manish, Witayapan Nantitanon, Tawanun Sripisuta, Setinee Chanpirom and Thapakorn Tree-udom. (2021). Preparation and Characterization of Hydrogel Mask from a Novel Mega Molecular Polysaccharide. In Proceedings of PPC & PETROMAT SYMPOSIUM (pp. 427-432).

Petty Patent

- สูตรผลิตภัณฑ์ลิปบาล์มที่มีน้ำมันแช่อิ่มข้าวเหนียวเขี้ยวงูเป็นส่วนประกอบ (2565, เลขที่อนุสิทธิบัตร 19638)
- สูตรผลิตภัณฑ์ซีรั่มทำให้ผิวขาวที่มีส่วนผสมของน้ำมันและสารสกัดชา (2564, เลขที่อนุสิทธิบัตร 18078)
- สูตรผลิตภัณฑ์ครีมเนื้อพุดดิ้งคืนรูปที่มีส่วนผสมน้ำมันจากธรรมชาติและสารสกัดชา (2564, เลขที่อนุสิทธิบัตร 18079)