

## RESEARCHER PROFILE

**Name :** Korawinwich

**Last name:** Boonpisuttinant

**Academic Position :** Associate Professor

**Faculty :** Integrative Medicine, RMUTT

**Major :** Ph.D. (Pharmacy)

**Research interest :** Natural Product development for pharmaceuticals, cosmetics and food supplements/

Thai Traditional Medicine, Biochemistry and Biotechnology in Pharmaceuticals, Animal Cell and plant tissue culture, Nanotechnology for drug and gene delivery system, Organic and Analytical Chemistry

**E-mail :** korawinwich\_b@rmutt.ac.th



Education	From ... To ...	University name	Country
Doctor	2012	Chiang Mai University	Thailand
Master	2006	Chiang Mai University	Thailand
Bachelor	2003	Chiang Mai University	Thailand

### International Publications

**(Only published within the last five (5) years in international journals or book chapters)**

- [1] **Boonpisuttinant K.**, Unkeaw S., Chomphoo W., Udompong S., Khong HY. (2022). In vitro Anti-ageing Activities of the Extracts of Low-Grade Pineapple and Lime Key from Sob Prab Cooperative Limited, Lampang, Thailand. *Journal of Smart Science and Technology*. 2(1), 46-59
- [2] Opatha S.A.T., Titapiwatanakun V., 1. **Boonpisuttinant K.**, Chutoprapat R., (2022). Preparation, Characterization and Permeation Study of Topical Gel Loaded with Transfersomes Containing Asiatic Acid. *Molecules*. 27(15).1-17 (Q2)
- [3] Ariffin MM., Khong HY., Nyokat N., Liew GM., Hamzah AS. and **Boonpisuttinant K.** 2021. In vitro antibacterial, antioxidant, and cytotoxicity evaluations of *Musa paradisiaca* cv. Sekaki florets from Sarawak, Malaysia. *Journal of Applied Pharmaceutical Science*. 11(05), 91-95. (Impact factor: 0.29) (Q2)
- [4] Rungsardthong V., Pithanthanakul U., Puttanlek C., Uttapap D. & **Boonpisuttinant K.** 2021. Preparation of puerarin-loaded zein nanoparticles: characterization and stability study. *Journal of Current Science and Technology*, 11(1), 60-70 (Q4)

- [5] Thongsa S., **Boonpisuttinant K.** and Siriwon N. 2020. Antioxidant Activities and Whitening Effects of Bougainvillea and Marigold Flower Extracts. *International Journal of Plant Biotechnology*, 6(2), 10–14.
- [6] Rodsuwan U., Pithanthanakul U., Thisyakorn K., Uttapap D., **Boonpisuttinant K.**, Vatanyoopaisarn S., Thumthanasuk B. & Rungsardthong V. 2020. Preparation and characterization of gamma oryzanol loaded zein nanoparticles and its improved stability. *Food Science & Nutrition*, 00, 1-9. (Impact factor: 0.61) (Q2)
- [7] Chutopapat R., Malilas W., Rakkaew R., Udompong S., & **Boonpisuttinant K.** 2020. Collagen biosynthesis stimulation and anti-melanogenesis of bambara groundnut (*Vigna subterranea*) extracts. *Pharmaceutical biology*, 58(1), 1023–1031. (Impact factor: 0.70) (Q1)
- [8] **Boonpisuttinant K.**, Udompong S., Winitchai S, and Akkarakultron P. 2019. In vitro alpha-glucosidase and alpha-amylase enzyme-inhibited activities by water-lily (*Nymphaea* genus) extracts *Journal of the Malaysian Society of Applied Biology* 48 (4): 121–127 (Impact factor: 0.15) (Q4)
- [9] **Boonpisuttinant K.**, Udompong S., and Boonbai R., 2019. Tyrosinase Inhibition and Antioxidant Activities of Riceberry (*Oryza sativa* L.) *Journal of Engineering and Applied Sciences* 14 (3): 6127-6130. (Impact factor: 0.15) (Q3)
- [10] Nyokat N., Richard C., Heng Yen K. and **Boonpisuttinant K.**, 2019. Synthesis and Antibacterial Activities of 2-Phenyl-4h-Chromen-One (Flavone) *Journal of Engineering and Applied Sciences* 14 (3) : 6197-6201. (Impact factor: 0.15) (Q3)
- [11] Heng Yen K., Morshidi M., and **Boonpisuttinant K.**, 2019. Chemical Analysis and Biological Activities of *Annona muricata* Leaves Extract from Sarawak. *Journal of Engineering and Applied Sciences* 14 (3): 6042-6051 (Impact factor: 0.15) (Q3)
- [12] Daja A., Gidado A., **Boonpisuttinant K.**, Kanjanawongwanich S. 2019. Anti-cancer and anti-oxidative activities of Nigerian traditional medicinal plants/recipes *Journal of complementary medicine research* 10(4): 200-211 (Q2)
- [13] Manosroi A., Chankhampan C., Kietthanakorn B., Ruksiriwanich W., Chaikul P., **Boonpisuttinant K.**, Sainakham M., Manosroi W., Tangjai T. and Manosroi J., 2019. Pharmaceutical and Cosmeceutical Biological Activities of Hemp (*Cannabis sativa* L var. *sativa*) Leaf and Seed Extracts. *Chiang Mai J. Sci.* 2019; 46(2): 180-195. (Impact factor: 0.16) (Q4)

**Book/ Textbooks (Both Thai and International publications)**

- [1] .....
- [2] .....
- [3] .....

**Research funds (Within the last five (5) years)**

2022: 1. Development of cosmetics products from Thai indigenous Rice.

2. Innovative cosmetics from *Phyllanthus indofischeri* extracts for development of community products from Sa Kaeo Province.

3. Innovative anti-ageing cosmetics from *Caulerpa lentilifera* extract entrapped in niosomes

4. Technology transfer of innovative natural products from local medicinal plants to develop community products

5. Innovative anti-ageing cosmetics from extracts of Pathumthani Indigenous rices entrapped in niosome

2021: 1. Innovative from *Musa acuminata* flour for use in cosmetic products

2. Technology transfer innovative beverages from *Phyllanthus indofischeri* extracts for development of community products from Sa Kaeo Province

3. Innovative anti-inflammatory gel product from Ya-nang leaves extract.

4. Innovative cosmetics from *Phyllanthus indofischeri* extracts for development of community products from Sa Kaeo Province.

2020: 1. Innovative cosmetic for skin from *Ludisia discolor* (Ker Gawl.) A. Rich. extracts entrapped in niosomes.

2. Innovative hair care products of the extracts from organic riceberry and its wastes from processing of Bueng Som Boon community, Nong Sue, Pathumthani

3. Development of Natural mosquito repellent products from herbal extracts

2019: 1. Development of Product for rice cracker for health

2. Development of products and packaging wax spa products from Thai herbs

3. Development of products and packaging natural herbal tea from *Clitoria ternatea* L. and *Zingiber officinale* Roscoe.

4. Development of products and packaging facial serum from *Oryza sativa* and Silk protein

5. Development of products and packaging toothpaste from Thai Herbal recipe

2018: 1. Development of natural products from Indigenous plants of Thai

2. Innovative natural product from Thai eatable flowers
3. Niosomes encapment of the Thai edible flower extract for cosmetic product application