



Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)
999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon
Nakhon Pathom 73170, Thailand

Name Warangkana Srichamnong
วรางคณา ศรีจํานงค

Email Address : warangkana.sri@mahidol.ac.th

Current positions : Lecturer

Education :

Ph.D. (Food Science and technology)	UNSW	Australia
B.Sc. (Food Science and technology)	UNSW	Australia

Training

2015	Laboratory safety regulation, Mahidol University
2015	Internal audit for ISO 17025
2008	Occupation safety and health (OSHC),UNSW,Australia

Research Interest and Expertise

1. Carbohydrate and sugar analysis
2. HPLC analysis for bioactive compounds including carotenoid, bioflavonoids, phytosterol
3. Microstructure determination by using Confocal, SEM, X-Ray diffraction
4. Oil analysis by GC/MS
5. Volatile profile by SPME

Publications

International Level (last 3 years)

1. Thiyajai P., Preecha Saetang, Aikkarach Kettawan, Charoenkiatkul S. Srichamnong W., Promising industrial flour processing and household applications of parboiled germinated brown rice (Khao dok mali 105). (2016) LWT-Food Science 73: 406-411.
2. Srichamnong W., Srzednicki G., 2015 Internal discoloration of various varieties of Macadamia nuts as influenced by enzymatic browning and Maillard reaction. Scientia Horticulturae 192,180-186.
3. Khunpet K., Jittanit W., Sirisansaneeyakul S., Srichamnong W.,2016 Inulin powder production from jerusalem artichoke(*Hekubthus tuberosus L.*) tuber powder and its application to commercial food product. Food Processing and preservation. 7-13
- 4 Srichamnong W., Thiyajai P., Charoenkiatkul S. Conventional steaming retains tococls and γ -oryzanol better than boiling and frying in the jasmine rice variety Khao dok mali 105. (2016) Food chemistry 191: 113-119.
5. Khunpet K., Jittanit W., Sirisansaneeyakul S., Srichamnong W. Effect of pre-treatment on Quality of Jerusalem Artichoke (*Hekubthus tuberosus L.*) tuber powder and inulin extract. Transactions of the ASABE. 58(6): 1873-1884
6. Promrungsri P., Srichamnong W. The Accumulation of Heavy Metals (Lead and Cadmium) of The Plant Family *Zingiberaceae* at Srinakarind Dam, Kanchanaburi Province (2015) Thai Journal of Toxicology 30
7. Srichamnong, W., Price, B. , Gardner, T. , Dean, R., Plougouven, E. , Léonard, A. and Srzednicki, G. Studies of Microstructure of Kernels of Macadamia integrifolia and Its Hybrids through MRI, X-Ray Tomography and Confocal Microscopy (2013). Journal of Food Science and Engineering 3, 503-516



Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)
999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon
Nakhon Pathom 73170, Thailand

8. Tuntipopipat,S. , Muangnoi,C., Thiyajai, P., Srichamnong,W., CharoenkiatkulaS., K. Praengam A bioaccessible fraction of parboiled germinated brown rice exhibits a higher anti-inflammatory activity than that of brown rice Food Funct., 2015, 6, 1480–1488

Research Experiences

1. Resistant starch in parboiled germinated brown rice and sweet potatoes
2. Phenolics and sugar compounds of indigenous fruits
3. Determination of gamma-oryzanol, tocopherols content in food
4. Phytotoxin and heavy metal in local plant