



Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)
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Nakhon Pathom 73170, Thailand

Name Uthaiwan Suttisansanee, Ph.D.
E-mail address uthaiwan.sut@mahidol.ac.th
Current positions Lecturer

Education

2011 **Doctoral of Philosophy** (Biochemistry/Chemistry), University of Waterloo, Canada
2006 **Master of Science** (Biochemistry/Chemistry), University of Waterloo, Canada
2004 **Bachelor of Science (Hons.)** (Specialist in Biochemistry, minors in Chemistry and Mathematics), University of Toronto, Canada

Research Interest

1. Natural Products and Functional Foods
2. Drug Discovery
3. Enzymology and Diseases (Obesity, Diabetes, Hypertension and Alzheimer's disease)
4. Peptide/Protein Biochemistry

Professional and Academic Awards

2018 ลิขสิทธิ์ เรื่อง MUsho เลขที่คำขอ 368946 ทะเบียนข้อมูลเลขที่ ศ1.46653
2018 อาจารย์ตัวอย่าง สภาอาจารย์สถาบันโภชนาการ มหาวิทยาลัยมหิดล
2017 อนุสิทธิบัตร เรื่อง กรรมวิธีการสกัดสารจากใบเตยที่มีฤทธิ์ยับยั้งเอนไซม์โคสิเนสเอสเทอร์ และ/หรือ เอนไซม์เบตาซีรีเดส เลขที่คำขอ 1703001821
2017 อนุสิทธิบัตร เรื่อง กรรมวิธีการสกัดสารจากข้าวที่มีฤทธิ์ยับยั้งเอนไซม์ไลเปส และ/หรือ ต้านอนุมูลอิสระ เลขที่คำขอ 1703000172
2017 พนักงานมหาวิทยาลัยดีเด่น ประเภทวิชาการ ปฏิบัติงานติดต่อกันไม่เกินกว่า 10 ปี สถาบันโภชนาการ มหาวิทยาลัยมหิดล
2017 อาจารย์ตัวอย่าง สภาอาจารย์สถาบันโภชนาการ มหาวิทยาลัยมหิดล
2016 IAFoST Early Career Scientists Section (ECSS) fellow, The International Academy of Food Science and Technology (IAFoST)
2016 Travel Scholarship from Thai Edible Oil Co., Ltd – Poster presentation entitled "Health benefit, food safety and product development of local plants at conserved area of Plant Genetic Conservation Project under the Royal Initiative of Her Royal Highness Princess Maha Chakri Sirindhorn, Kanchanaburi Province, Thailand" in the 20th International Conference of FFC and 8th International Symposium of Academic Society for Functional Foods and Bioactive Compounds, Boston, USA. September, 2016
2016 Travel Scholarship from Mahidol University – Oral presentation entitled "Isolation of bioactive compounds and proteins from defatted rice bran powder: The investigation to obtain full benefits from rice bran oil production" in the 18th World Congress of Food Science and Technology, Dublin, Ireland. August, 2016
2014 Young Scientist Award, 17th IUFoST World Congress of Food Science and Technology, Montreal, Canada. August, 2014
2013 Amway for Nutrition Research Grant Award, Nutrition Association of Thailand
2013 Fellowship award from The Nevin Scrimshaw International Nutrition Foundation Fellowship Program to attend the 20th International Congress of Nutrition, Granada, Spain
2012 W.B. Pearson Medal (Ph.D.) in the Faculty of Science for recognition of creative research, University of Waterloo, Ontario, Canada
1999-2010 Golden Jubilee Scholarship, Government of Thailand, Thailand



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Research Experiences

1. Nutritive values and health properties of common vegetables and herbs in Thai cuisine
2. "The investigation of biochemical properties against some non-communicable diseases from Noinakreua (*Kadsura* spp.)" in "The investigation of nutritive values, bioactive compounds, biochemical properties against some non-communicable diseases and product development from different parts of Noinakreua (*Kadsura* spp.)"
3. The investigation of flavonoids against diabetes mellitus targeting alpha-glucosidase
4. The database development of nutritive values, bioactive compounds and functional properties of edible mushroom in Amnat Charoen province
5. The investigation on anti-Alzheimer's disease from *Gynura procumbens* and *Gynura divaricata* leave extracts
6. "Effect of *Anoectochilus burmannicus* extract against obesity and diabetes" in "Propagation and research on biological activities of *Anoectochilus burmannicus* and development as functional products to serve the plant genetic conservation project under the royal initiative of Her Royal Highness Princess Maha Chakri Sirindhorn"
7. The investigation of biochemical properties against chronic diseases of King Rice Bran powder and the study of health benefits on King Rice Bran powder consumption
8. Anti-oxidant and anti-Alzheimer potential of spirulina extract for application as a potential functional ingredient
9. Antimutagenic and cancer chemopreventive activities of Thai fruits
10. Development of mango jelly product to improve health benefits for elderly
11. Development of healthy instant brown rice flour dumpling in cereal cream
12. Nutritional utilization of Sacha Inchi (*Plukenetia volubilis* L.) oil cake
13. The investigation of biochemical properties against enzyme activities from *Capsicum* species
14. Biochemical properties of *Capsicum* species against key enzymes relevant to some non-communicable diseases
15. Biological functions of legume extracts against some key enzymes that control non-communicable diseases
16. The investigation of antioxidant and anti-Alzheimer properties in *Pandanus amaryfollious* leaves
17. "The investigation of biochemical properties against chronic diseases of crude extract from indigenous plants" in "Health benefit, food safety and product development of local plants at conserved area of Plant Genetic Conservation Project under the Royal Initiative of Her Royal Highness Princess Maha Chakri Sirindhorn, Kanchanaburi Province"
18. "The health benefit of parboiled germinated brown rice against kidney, heart and brain damage of hypertensive induced rat" in "Nutrition and health benefits of parboiled germinated brown rice (KDML 105)"
19. "In vitro screening of lipase inhibitory activity and study of potential anti-Alzheimer's disease from parboiled germinated brown rice" in "Nutrition and health benefits of parboiled germinated brown rice (KDML 105)"
20. The investigation on biochemical properties against some non-communicable diseases of *Gynura divaricata* and *Gynura procumbens* leaves
21. Antioxidant and enzyme inhibitory activities of Thai herbal teas in comparison to conventional teas (*Camellia sinensis*)
22. The discovery of sweet protein or sweet-modifying protein from *Phyllanthus emblica* Linn
23. Investigation of the Mycobial Glyoxalase System
24. Biochemistry in Bacterioferritin
25. Protein engineering and structural investigation of green fluorescence protein

Publications



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International level

1. **Suttisansanee U**, KunKeaw T, Thatsansasuwan N, Tonglim J and Temviriyankul P. The investigation on cholinesterase and BACE1 inhibitory activities in various tea infusions. *Walailak Journal of Science and Technology*. 2019; in press
2. **Suttisansanee U** and Kruawan K. *In vitro* anti-Alzheimer's disease in edible sour leaves of Thai local plants. *Walailak Journal of Science and Technology*. 2019; in press
3. Chamchan R, Charoenkiatkul S, Thiyajai P, Suwanwattana W, **Suttisansanee U**, Srichamnong W and On-nom N. Development of dried chili paste from local herbs at a conserved area of Plant Genetic Conservation Project under the Royal Initiative of Her Royal Highness Princess Maha Chakri Sirindhorn, Kanchanaburi Province. *Walailak Journal of Science and Technology*. 2019; in press
4. Choichuedee P, **Suttisansanee U**, Hudthagosol C and Somboonpanyakul P. Sweet sticky rice puree diet for elderly with dysphagia. *Walailak Journal of Science and Technology*. 2019; in press
5. Chupeerach C, Yothakulsiri C, Chamchan R, **Suttisansanee U**, Sranacharoenpong K, Tungtrongchitr A and On-Nom N. The Effect of coconut jelly with stevia as a natural sweetener on blood glucose, insulin and C-peptide responses in twelve healthy subjects. *Recent Patents on Food, Nutrition & Agriculture*. 2018; in press.
6. Kukreja RK, Sripum C, Charoenkiatkul S, Kriengsinyos W and **Suttisansanee U**. Evaluation of ethanol concentration, temperature and shaking time of extracted Thai Jasmine rice on cholinesterase enzyme activity. *International Food Research Journal*. 2018; 25(1): 227-233
7. Sripum C, Kukreja RK, Charoenkiatkul S, Kriengsinyos W and **Suttisansanee U**. The effect of extraction conditions on antioxidant activities and total phenolic contents of different processed Thai Jasmine rice. *International Food Research Journal*. 2017; 24(4): 1644-1650
8. **Suttisansanee U** and Honek JF. Hydroxamate Inhibitor Profiling of Both Zn²⁺- and Ni²⁺-Activated Glyoxalase I Metalloenzymes Having Diverse Quaternary Structures. *Letters in Drug Design & Discovery*. 2017. 14(7): 843-852
9. Kittibunchakul S, Thiyajai P, **Suttisansanee U** and Santivarangkna C. Determination of GABA content in Thai brown rice by an optimized enzyme-based method. *Chiang Mai Journal of Science*. 2017. 44(1): 132-143
10. Chupeerach C, **Suttisansanee U**, On-nom N and Kriengsinyos W. Impact of genetic polymorphism on LDL-C response to plant stanol ester intake. *Journal of the Medical Association of Thailand*. 2016. 99(6): 723-731.
11. Nantakornsuttanan N, Thuphairo K, Kukreja RK, Charoenkiatkul S and **Suttisansanee U**. Anti-acetylcholinesterase inhibitory activities of different varieties of chili peppers extracts. *International Food Research Journal*. 2016; 23(5): 1953-1959
12. Watcharachaisoponsiri T, Sornchan P, Charoenkiatkul S and **Suttisansanee U**. The α -glucosidase inhibitory activity from different chili pepper extracts. *International Food Research Journal*. 2016; 23(4): 1439-1445
13. Sripum C, Kukreja RK, Charoenkiatkul S, Kriengsinyos W and **Suttisansanee U**. The effect of storage time on antioxidant activities and total phenolic contents of parboiled germinated brown rice (Khao Dok Mali 105). *International Food Research Journal*. 2016; 23(4): 1827-1831
14. **Suttisansanee U**, Ran Y, Mullings KY, Sukdeo N and Honek JF. Modulating Glyoxalase I Metal Selectivity by Deletional Mutagenesis: Underlying Structural Factors Contributing to Nickel Activation Profiles. *Metallomics*. 2015; 7(4): 605-612.
15. Bythell-Douglas R, **Suttisansanee U**, Flematti GR, Challenor M, Lee M, Panjekar S, Honek JF and Bond CS. The crystal structure of a homodimeric Pseudomonas glyoxalase I enzyme reveals asymmetric metallation commensurate with half-of-sites activity. *Chemistry - A European Journal*. 2014; 21(2): 541-544



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16. Mullings KY, Sukdeo N, **Suttisansanee U**, Ran Y and Honek JF. Non Zn²⁺-activated Glyoxalase I from *Escherichia coli*: Substrate Variations, Reaction Mechanism and Evolution within the βαββββ Superfamily. *Journal of Inorganic Biochemistry*. 2012; 108: 133-40.
17. **Suttisansanee U**, Lau K, Lagishetty S, Rao KN, Swaminathan S, Sauder JM, Burley SK and Honek JF. Investigation on the Metalloenzyme Glyoxalase I from *Clostridium acetobutylicum*. *Journal of Biological Chemistry*. 2011; 286(44): 38367-38374.
18. **Suttisansanee U** and Honek JF. Bacterial glyoxalase enzymes. *Seminars in Cell and Developmental Biology*. 2011; 22(3): 285-292.

National level

Original papers

1. Choichuedee P, **Suttisansanee U**, Hudthagosol C and Somboonpanyakul P. Mango puree for elderly with dysphagia. *Agricultural Sci J*. 2018; 49(2)(Suppl.): 33-36.
2. Kaewsriroth P, On-Nom N, **Suttisansanee U**, Winuprasith T, Chamchan R, Sriden N, Aursalung A and Sahasakul Y. Development of healthy Tom Yum flavored rice seasoning (Furikake) from vegetable powder. *Agricultural Sci J*. 2018; 49(2)(Suppl.): 165-168.
3. Promyos N, Temviriyankul P and **Suttisansanee U**. Evaluation of α-glucosidase inhibitory assay using different sub-classes of flavonoids. *Current Applied Science and Technology Journal*. 2017; 17(2): 172-180.
4. Pongkunakorn T, Watcharachaisoponsiri T, Chupeerach C, On-nom N and **Suttisansanee U**. Total phenolic contents and antioxidant activities of Thai local mushrooms. *Current Applied Science and Technology Journal*. 2017; 17(2): 181-190.
5. Watcharachaisoponsiri T, Thiyajai P, Charoenkiatkul S, Temviriyankul P, Chupeerach C and **Suttisansanee U**. The screening of anti-lipase activity in Thai local chili peppers. *Thai Journal of Toxicology*. 2017; 32(1): 35-51.
6. Pongkunakorn T and **Suttisansanee U**. Total phenolic contents and antioxidant activities of Thai local mushrooms. *Agricultural Sci J*. 2016, 47(2)(Suppl.): 401-404.
7. Tasiri P, **Suttisansanee U**, Hudthagosol C and Somboonpanyakul P. Development of riceberry rice vegan jelly contains high protein and high energy for the elderly with dysphagia. *Agricultural Sci J*. 2015; 46(3)(Suppl.): 369-372.
8. Tonglim J, Kittibunchakul S, Kriengsinyos W, Kettawan A and **Suttisansanee U**. Comparative study on anti-hypertension potential of Thai herbal tea and conventional tea (*Camellia sinensis*). *Agricultural Sci J*. 2015; 46(3)(Suppl.): 13-16.
9. Thatsanasuwan N, Chupeerach C, Kriengsinyos W and **Suttisansanee U**. The investigation on antioxidant activities of *Pandanus amaryllifolius* leaves extracted under different extraction conditions. *Food and Applied Bioscience Journal*. 2015; 3(2): 130-136
10. Thuphairo K, Kruawan K, Srichamnong W, Charoenkiatkul S and **Suttisansanee U**. Anti-acetylcholinesterase properties of sweet pepper (*Capsicum annuum*) extracts in different solvents. *Agricultural Sci J*. 2014; 45(2)(Suppl.): 121-124.
11. Nantakornsuttanan N, Phanyotha T, Thuphairo K, Charoenkiatkul S and **Suttisansanee U**. Antioxidant activities and total phenolic contents from different varieties of chili peppers extracts. *Agricultural Sci J*. 2014; 45(2)(Suppl.): 365-368.
12. Sornchan P, Kruawan K, Srichamnong W, Charoenkiatkul S and **Suttisansanee U**. *In vitro* alpha-glucosidase inhibitory activity of sweet pepper extracted using different solvents. *Agricultural Sci J*. 2014; 45(2)(Suppl.): 81-84.
13. Watcharachaisoponsiri T, Sornchan P, Charoenkiatkul S and **Suttisansanee U**. Lipase Inhibitory activity from different chili pepper extracts. *Agricultural Sci J*. 2014; 45(2)(Suppl.): 361-364.



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14. Phanyotha T, Srichamnong W, Santivarangkna C, Tangsuphoom N and **Suttisansanee U**. Anti-acetylcholinesterase activities from *Gynura procumbens* leaves extracted using response surface methodology. *Agricultural Sci J*. 2014; 45(2)(Suppl.): 17-20.
15. Chutipanyaporn P, Kruawan K, Chupeerach C, Santivarangkna C and **Suttisansanee U**. The investigation on α -glucosidase inhibitory from legume extracts. *Agricultural Sci J*. 2014; 45(2)(Suppl.): 133-136.
16. **Suttisansanee U**, Sornchan P and Kruawan K. Potential diabetes prevention through key enzymes inhibition of edible sour leaves from Thai local plants. *Agricultural Sci J*. 2014; 45(2)(Suppl.): 13-16.
17. Tantivirasut P, Laohakunjit N, **Suttisansanee U**, Hudthagosol C and Somboonpanyakul P. Effect of pregelatinized priceberry flour for reducing fat in salad dressing. *Agricultural Sci J*. 2014; 45(2)(Suppl.): 125-128.
18. Thuphairo K and **Suttisansanee U**. Sweet pepper and health promoting compounds. *Journal of Nutrition Association of Thailand*. 2014; 48(2): 1-11
19. Chutipanyaporn P, Kruawan K, Chupeerach C, Santivarangkna C and **Suttisansanee U**. The effect of cooking process on antioxidant activities and total phenolic compounds of five colored beans. *Food and Applied Bioscience Journal*. 2014; 2(3): 183-191
20. Wonglao K, Srichamnong W, Hudthagosol C, **Suttisansanee U** and Somboonpanyakul P. Effect of particle size of Sinlek brown rice flour as a partially substituent of wheat flour on biscuits quality. *Agricultural Sci J*. 2013; 44(2)(Suppl): 181-184
21. Chuaykarn N, Laohakunjit N, **Suttisansanee U**, Hudthagosol C and Somboonpanyakul P. Effect of riceberry flour on physico-chemical and sensory properties of low fat ice cream. *Agricultural Sci J*. 2013; 44(2)(Suppl): 589-192
22. **Suttisansanee U** and Kruawan K. Anti-lipase activities in edible sour leaves of Thai local plants. *Agricultural Sci J*. 2013; 44(2)(Suppl): 604-606
23. Phanyotha T, Tangsuphoom N, Santivarangkna C and **Suttisansanee U**. Optimization of extraction conditions for antioxidant activity from *Gynura procumbens* leaf using response surface methodology. *Agricultural Sci J*. 2013; 44(2)(Suppl): 409-412
24. Sornchan P, Kruawan K, Srichamnong W, Charoenkiatkul S and **Suttisansanee U**. Anti-lipase activity of sweet pepper extracted from different solvents. *Agricultural Sci J*. 2013; 44(2)(Suppl): 610-612
25. Thuphairo K, Kruawan K, Srichamnong W, Charoenkiatkul S and **Suttisansanee U**. The investigation of total phenolic compounds and antioxidant activities of sweet pepper (*Capsicum annuum*) extracted by solvents with different polarities. *Agricultural Sci J*. 2013; 44(2)(Suppl): 293-296
26. Thatsanasuwan N, Chupeerach C, Kriengsinyos W and **Suttisansanee U**. The investigation of anti-acetylcholinesterase activity from *Pandanus amaryllifolius* leaf extract. *Agricultural Sci J*. 2013; 44(2)(Suppl): 413-416
27. Tantivirasut P, Laohakunjit N, **Suttisansanee U**, Hudthagosol C and Somboonpanyakul P. Effect of extrusion on total phenolic content, antioxidant activities and physical properties of pregelatinized rice berry flour. *Agricultural Sci J*. 2013; 44(2)(Suppl): 205-208
28. Tonglim J and **Suttisansanee U**. Tea and health promotion. *Journal of Nutrition Association of Thailand*. 2012; 47(2): 15-27
29. **Suttisansanee U**. Miracle of miracle fruit. *Journal of Nutrition Association of Thailand*. 2012, 46(1): in press

Articles

1. Promyos N and **Suttisansanee U**. Flavonoids and anti-diabetes property. *Food Focus*. 2017, 12(136): 33-35



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2. Kittibunchakul S and **Suttisansanee U.** Alternative source of sweet taste: sweet protein from *Curculigo latifolia*. Food Focus. 2016, 11(126): 56-57
3. Nantakornsuttanan N, Thuphairo K and **Suttisansanee U.** Chili peppers and potential Alzheimer's disease prevention. Food Focus. 2016, 11(125): 24-25
4. Chaisungnern K and **Suttisansanee U.** Barringtonia acutangula (linn.) Gaertn: Wild plant with high medicinal benefits. Food Focus. 2016, 11(123): 40-41
5. Watcharachaisoposiri T and **Suttisansanee U.** Beauty from within: Tyrosinase inhibitory perspective. Food Focus. 2015; 11(118): 28-29
6. Tonglim J and **Suttisansanee U.** Tea and health benefits: Anti-hypertension property. Food Focus. 2014; 9(105): 22-23
7. Sripum C and **Suttisansanee U.** Potential obesity prevention from plant extracts. Food Focus. 2014; 9(102): 26-27.
8. Phanyotha T and **Suttisansanee U.** The prevention of diabetes by *Gynura divaricata* and *Gynura procumbens* leaves. Food Focus. 2014; 9(101): 32-33
9. Tonglim J and **Suttisansanee U.** Tea and health benefits: anti-glycation property. Food Focus. 2014; 9(99): 40-41

Proceeding

1. Reerueangchai P , Pattaracharoen S , Sridonpai P, **Suttisansanee U**, On-Nom N, Chupeerach C. Nutrition education program in type 2 diabetes mellitus elderly Thai patients. International Conference on "Green ASIA and Sustainability Forum: Ageing society development for Active and Productive Ageing", Bangkok, Thailand. June 2018
2. Sahasakul Y, Aursalung A and **Suttisansanee U** and Kruawan K. Nutritive values, bioactive compounds and antioxidant activities of Krung-Ba-Dan (*Cyclea barbata* Miers) leaves and gel. International Conference on Biomedical Sciences "Innovation and Natural Products for Health and Well-Being", Nakhon Si Thammarat, Thailand. March 2018
3. Phetatisit N, **Suttisansanee U**, Santivarangkna C, Srichamnong W, Chupeerach C and On-nom N. Comparative study on physical properties and antioxidant activities of different protein isolates. The International Conference on Food and Applied Bioscience, Chiang Mai, Thailand. February 2018
4. On-nom N, Charoenkiatkul S, Thiyajai P, Srichamnong W, Pongkunakorn T, Watcharachaisoposiri T, Suwanwattana W and **Suttisansanee U.** Survey of consumption, medicinal use, and toxicology of 10 edible mushrooms from Dong Yai community forest, Amnat-charoen province. การประชุมวิชาการชมรมคณะปฐพีบัณฑิตงานวิทยากร อพ.สธ. ครั้งที่ 8, Saraburi, Thailand. December 2017
5. Chamchan R, Charoenkiatkul S, Thiyajai P, Suwanwattana W, **Suttisansanee U**, Srichamnong W and On-nom N. Development of reduced sodium Geang-Pa-Kra-Chai-Pran. การประชุมวิชาการชมรมคณะปฐพีบัณฑิตงานวิทยากร อพ.สธ. ครั้งที่ 8, Saraburi, Thailand. December 2017
6. Thiyajai P, On-nom N, Netbut A, Watcharachaisoposiri T, **Suttisansanee U**, Suwanwattana W, Pongkunakorn T, Srichamnong W and Charoenkiatkul S. Survey of consumption, medicinal use, toxicology and determination of vitamin C contents in Noi-Na-Kreua (*Kadsura* spp.). การประชุมวิชาการชมรมคณะปฐพีบัณฑิตงานวิทยากร อพ.สธ. ครั้งที่ 8, Saraburi, Thailand. December 2017
7. Kunkeaw T, Nantakornsuttanan N, Temviriyannukul P and **Suttisansanee U.** Effects of extraction solvents and cultivated locations on cholinesterase inhibitory activities of *Diplazium esculentum* (Retz.). Food Innovation Asia Conference, Bangkok, Thailand. June 2017
8. Thatsanasuwan N, Chupeerach C, Kriengsinyos W and **Suttisansanee U.** The effect of cultivated locations on antioxidant capacities and total phenolic contents in *Pandanus amaryllifolius* leaves. The 16th Food Innovation Asia Conference, Bangkok Thailand. June 2014
9. Pakdee P, Kangsadalampai K, **Suttisansanee U** and Kruawan K. Evaluation of mutagenic antimutagenic activities of hot water extract from *Ganoderma lucidum* (FR.) Karst in Ames test and



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- drosophila somatic mutation and recombination test (SMART). The 16th Food Innovation Asia Conference, Bangkok Thailand. June 2014
10. Kittibunchakul S, Thiyajai P, **Suttisansanee U** and Santivarangkna C. Development of probiotic GABA drink from brown rice milk using GABA-producing probiotic isolated from Thai fermented foods. The International Conference on Beneficial Microbes (ICOBM 2014). May 2014
 11. Boonchan S, Kettawan A, **Suttisansanee U** and Nitithamyong A. Phenolic compounds and antioxidant activities of corn silk (*Zea mays* L.) extract and its application in food products. The 2nd ASEAN Plus Three Graduate Research Congress, Bangkok Thailand. February 2014
 12. Thuphairo K, Kruawan K, Srichamnong W, Charoenkiatkul S and **Suttisansanee U**. Effect of solvents on butyrylcholinesterase inhibitory activities of sweet pepper extracts. The 2nd ASEAN Plus Three Graduate Research Congress, Bangkok Thailand. February 2014
 13. Sornchan P, Kruawan K, Srichamnong W, Charoenkiatkul S and **Suttisansanee U**. Evaluation of lipase inhibitory activity of sweet pepper extracts. The 2nd ASEAN Plus Three Graduate Research Congress, Bangkok Thailand. February 2014
 14. Phanyotha T, Tangsuphoom N, Santivarangkna C, Srichamnong W and **Suttisansanee U**. The effect of different extraction conditions on acetylcholinesterase inhibitory activities of *Gynura procumbens* leaves. The 2nd ASEAN Plus Three Graduate Research Congress, Bangkok Thailand. February 2014
 15. Kruawan K and **Suttisansanee U**. The effect of cooking and fermentation processes on antioxidant properties of Thai rice. The 1st National Conference on Food and Nutrition for Health, Bangkok Thailand. January 2014
 16. Kruawan K and **Suttisansanee U**. Alpha-glucosidase inhibitory activities of edible sour leaves from Thai local plants. The 1st National Conference on Food and Nutrition for Health, Bangkok Thailand. January 2014
 17. Thuphairo K, Kruawan K, Srichamnong W, Charoenkiatkul S and **Suttisansanee U**. Anti-butyrylcholinesterase activities of different color sweet bell peppers (*Capsicum annuum*). The 1st National Conference on Food and Nutrition for Health, Bangkok Thailand. January 2014
 18. Sornchan P, Kruawan K, Srichamnong W, Charoenkiatkul S and **Suttisansanee U**. Anti-lipase activity of sweet pepper (*Capsicum annuum*) extracts. The 1st National Conference on Food and Nutrition for Health, Bangkok Thailand. January 2014
 19. Phanyotha T, Tangsuphoom N, Santivarangkna C, Srichamnong W and **Suttisansanee U**. Butyrylcholinesterase inhibitory activity of *Gynura procumbens* leaves under different extraction conditions. The 1st National Conference on Food and Nutrition for Health, Bangkok Thailand. January 2014
 20. Sripum C, Kukreja RK, Charoenkiatkul S, Kriengsinyos W and **Suttisansanee U**. Effect of polished and germinated processes on lipase inhibitory activity in Thai jasmine rice. The 2nd Annual PSU Phuket International Conference 2013, Phuket, Thailand. November 2013
 21. Kukreja RK, Charoenkiatkul S, Kriengsinyos W and **Suttisansanee U**. The effect of heat treatment and oral digestion of parboiled germinated brown rice on anti-cholinesterase activity. The 2nd Annual PSU Phuket International Conference 2013, Phuket, Thailand. November 2013
 22. Chumputong S, Brard M, Tangsuphoom N, **Suttisansanee U** and Chavasit V. Physico-chemical properties and antioxidant activities of protein hydrolysates from white shrimp (*Litopenaeus vannamei*) shell. The 13th ASEAN Food Conference, Midview City, Singapore. September 2013
 23. Chutipanyaporn P, Kruawan K, Chupeerach C, Santivarangkna C and **Suttisansanee U**. Determination of lipase inhibitory activity from legume extracts. The 4th National Conference on Legumes (การประชุมวิชาการพืชไร่วงศ์ถั่วแห่งชาติ ครั้งที่ 4), Nakhon Pathom, Thailand. August 2013
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