



Curriculum Vitae

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

Name Chaowanee Chupeerach
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Current positions : Associate Professor

Education :

- 2012 Ph.D. (Tropical Medicine), Faculty of Tropical Medicine, Mahidol University, Thailand.
- 2007 Grad.Dip (Teaching), Faculty of Education, Burapha University, Thailand.
- 2006 B.Sc. (Biology), First-class honors, Gold medal, Faculty of Science, Burapha University, Thailand.

Training :

- 2020 MU EdPEX Assessor Training. Mahidol University Jan 8-10 and Feb 26-28, 2020
- 2017 Head of Department Development Program (HDP), Mahidol University, October-November.
- 2016 The Summer School of International Nutrition "Nutrition in elderly", Department of Public Health, Khon Khaen University, Thailand. July 4-8, 2016
- 2016 Biosafety evaluation of modern biotechnology-derived foods; advanced level (BIOTEC/Thai FDA)
- 2015 Biosafety evaluation of modern biotechnology-derived foods; intermediate level (BIOTEC/Thai FDA)
- 2015 Biosafety evaluation of modern biotechnology-derived foods; basic level (BIOTEC/Thai FDA)
- 2015 The Summer School of International Nutrition "Child and Adolescent Nutrition" Thai Nguyen City, Vietnam. September 14-18, 2015
- 2009-2010 Ph.D research at The institute of Nutritional Science, Faculty of Mathematics and Natural Sciences, University of Potsdam, Potsdam, Germany, University of Potsdam, Potsdam, Germany
- 2008 The 6th South East Asian Nutrition Leadership Program at University of Jakarta, Indonesia

Research of Interest and Expertise

Nutrigenomics
Human Nutrition

Publications

International Level

1. On-Nom N, Khaengamkham K, Kettawan A, Rungruang T, Suttisansanee U, Temviriyankul P, Prangthip P, **Chupeerach C**. Parboiled Germinated Brown Rice Improves Cardiac Structure and Gene Expression in Hypertensive Rats. *Foods*. 2022. 20;12(1):9. doi: 10.3390/foods12010009.
2. Sidabutar L. M. G. B, Pongcharoen T, Suttisansanee U, On-Nom N, Luealai P, Khemthong C, **Chupeerach C**. The association of cholesterol transport ABCG1 polymorphism towards the susceptibility of metabolic syndrome risk factor in Thai adolescents. *Curr Res Nutr Food Sci* 2022; 10(2).
3. On-Nom N, Chamchan R, Charoensiri R, Kongkachuichai R, **Chupeerach C**. The developed ready to eat meal affected to blood glucose and insulin in healthy subjects: glycemic index study. *Curr Res Nutr Food Sci* 2021; 10(1).
4. **Chupeerach C**, Ei Mon Cho, Suttisansanee U, Chamchan R, Khemthong C, On-nom N. Reducing calories, fat, saturated fat and sodium in Myanmar recipes: Effect on consumer acceptance. *NFS Journal*. 2021; 25: 51-5.
5. **Chupeerach C**, Tapanee P, On-Nom N, Temviriyankul P, Chantong B, Reeder N, A. Adegoye G, Tolar-



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- Peterson T. The influence of TAS2R38 bitter taste gene polymorphisms on obesity risk in three racially diverse groups. *BioMedicine*. 2021; 11(3): 43-47.
6. **Chupeerach C**, Aursalung A, Watcharachaisoponsiri T, Whanmek K, Thiyajai P, Yosphan K, Sritalahareuthai V, Sahasakul Y, Santivarangkna C, Suttisansanee U. The Effect of Steaming and Fermentation on Nutritive Values, Antioxidant Activities, and Inhibitory Properties of Tea Leaves. *Foods*. 2021; 10(1): 117.
 7. Gunyaphan S, On-nom N, Suttisansanee U, Nana A, Chamchan R, Khemthong C, **Chupeerach, C**. Product qualities and sensory evaluation of high protein snack bar incorporated with pea protein isolate. *Food Research* 2020; 4 (Suppl. 4): 51 – 5.
 8. Kaewmak N, **Chupeerach C**, Suttisansanee U, Siriwan D, Chamchan R, Khemthong C, On-nom N. Production and quality evaluation of low glycemic index crispy waffle from whole wheat flour supplemented with type 4-resistant starch and sacred lotus stamen. *Food Research* 2020; 4 (Suppl. 4): 1 – 8.
 9. On-nom N, Suttisansanee U , Tongmai J, Khemthong C, Chamchan R, Prangthip P, Borimas Hanboonkunupakarn B, and **Chupeerach C**. Consumption of Anthocyanin-Rich Mulberry Fruit Jelly with a High-Fat Meal Decreases Postprandial Serum Cardiometabolic Risk Factors in Dyslipidemia Subjects. *Journal of Nutrition and Metabolism* Volume 2020; Article ID 1370951, 9 pages <https://doi.org/10.1155/2020/1370951>.
 10. Ngamlerst C, Udomkasemsab A, Kongkachuichai R, Kwanbunjan K, **Chupeerach C**, Prangthip P. The potential of antioxidant-rich Maoberry (*Antidesma bunius*) extract on fat metabolism in liver tissues of rats fed a high-fat diet. *BMC Complement Altern Med*. 2019 Nov 4;19(1):294.
 11. Paratthakonkun C, Kaewprasert S, Arthan D, Soonthornworasiri N, Tungtrongchitr R, Prangthip P, Wongsutthilerd A, Pooudoung S, Chantaranipapong Y, Nakosiri W, Aroonual A, **Chupeerach C**, Chanchai S, Nana A. Associations among serum folate, waist-to-hip ratio, lipid profile, and eating habits with homocysteine in an elderly Thai population. *Int J Vitam Nutr Res*. 2019 Nov;89(5-6):246-254.
 12. Chuaychoo B, Tungtrongchitr R, Kriengsinyos W, Tuntipopipat S, On-Nom N, **Chupeerach C**. Correlation of vitamin D binding protein gene polymorphism and protein levels in chronic obstructive pulmonary disease compared with non-chronic obstructive pulmonary disease subjects. *Per Med*. 2018 ;15:371-379.
 13. **Chupeerach C**, Yothakulsiri C, Chamchan R, Suttisansanee U, Sranacharoenpong K, Tungtrongchitr A, 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 Pat Food Nutr Agric*. 2018;9:127-133.
 14. Chamchan R, **Chupeerach C** and On-Nom N. Development of rice paper by using germinated Homnin brown rice flour. *Science and Technology RMUTT Journal*. 2017;7 : 263–270.
 15. Pongkunakorn T, Watcharachaisoponsiri T, **Chupeerach C**, On-nom N and Suttisansanee U. Inhibitions of Key Enzymes Relevant to Obesity and Diabetes of Thai Local Mushroom Extracts. *CAST* Vol.17 No.2 Jul.-Dec. 2017.
 16. Trachootham D, **Chupeerach C**, Tuntipopipat S, Pathomyok L, Boonnak K, Praengam P, Promkam C, Santivarangkna C. Drinking fermented milk containing *Lactobacillus paracasei*431(IMULUSTM) improves immune response against H1N1 and cross-reactiveH3N2 viruses after influenza vaccination: A pilot randomized triple-blinded placebo controlled trial. *Journal of functional foods* 2017.1-10.
 17. **Chupeerach C**, Suttisansanee U, Nattira O, Kriengsinyos W. Impact of genetic polymorphism on LDL-C response to plant stanol ester intake. *J Med Assoc Thai*. 2016; 99:723-31.
 18. **Chupeerach C**, Kulanuwat S, Chuenta W, Wannaiampikul S, Schuh VA, Preutthipan S, Tungtrongchitr R. ID4 gene polymorphism and osteoporosis in Thai menopausal women. *J Med Assoc Thai*. 2014; 1004-8.
 19. Kotepui K, Phunphuech B, Phiwklam N, **Chupeerach C** and Duangmano S. Effect of malarial infection on haematological parameters in population near Thailand-Myanmar border. *Malaria Journal* 2014, 13:218



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20. 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: 413-16.
21. Kotepui M and **Chupeerach C**. Age distribution and breast cancer in the Thai population-based cancer registry. *Asian Pacific J Cancer Prev.* 2013;14 (6), 3815-3817.
22. **Chupeerach C** , Tungtrongchitr A , Phonrat B, Schweigert FJ, Tungtrongchitr R, Preutthipan S. Association of Thr420Lys polymorphism in DBP gene with fat-soluble vitamins and low radial bone mineral density in postmenopausal Thai women. *Biomarkers in Medicine* 2012; 6: 103-108.
23. **Chupeerach C**, Harnroongroj T, Phonrat B, Tungtrongchitr A, Schweigert FJ, Tungtronchitr R and Preutthipan S. Decreased retinol transport proteins in Thai post-menopausal women with osteoporosis. *J Trop Med Public Health* 2011; 42: 1515-20.

National Level

1. Wannaiampikul S, Tungtrongchitr R, Tongboonchu C, Utennam D, Suttisansanee U, On-Nom N and **Chupeerach C**. Relationship of nutritional indices and physical activity to bone mineral density in osteopenia/osteoporosis Thai postmenopausal women. *Srinakharinwirot University (Journal of Science and Technology)* 2020; 12.

Research Experiences

1. Nutrigenomics in metabolic syndrome
2. Glycemic index in human
3. The risk of telomere shortening to micronutrient and health status in adolescent
4. Effect of coconut jelly in postprandial blood glucose
5. Effect of cholesterol transporter gene polymorphism in Metabolic syndrome adolescent
6. The effect of mulberry on cardiovascular markers in dyslipidemia subjects
7. Effect of vitamin D binding protein gene polymorphism and fat-soluble vitamins in osteoporosis
8. Gene polymorphism in osteoporosis
9. Serum retinol, retinol binding protein 4, transthyretin in postmenopausal women
10. Gene expression in hypertensive rat model treated by parboiled germinated brown rice