



Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)

999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon

Name: Pornpan Sukboon

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Current position: Researcher

Education:

- 2018 Master of Science, M.Sc. (Nutrition), Mahidol University, Thailand
- 2014 Bachelor of Science, B.Sc. (Nutrition and Dietetic), Mahidol University, Thailand

Research experiences:

- 2019 South East Asian Nutrition Survey II (SEANUTS II) Thailand: Nutrition Survey of Thai children aged between 6 months and 12 years old
- 2021 A longitudinal study on energy expenditure, body composition, and feeding practices of 6 to 23 months old infants
- 2021 Assessing the Appropriateness of the Draft Food-Based Dietary Guidelines for Thais
- 2021-2025 Building capacity for standardized measurement of diet quality and key nutritional biomarkers for capturing the triple burden of malnutrition as part of population surveys and in low- and middle-income countries
- 2022 Evaluating the performance of the Global Diet Quality Score for determining overall dietary quality among Thai adults for integrating into non-communicable disease prevention system
- 2022-2023 Efficacy of daily and weekly iron supplementation on anemia prevalence in Thai infants aged 6-12 months
- 2022-2023 A stable isotope study in young iron-depleted Thai women to evaluate the bioavailability of an oat protein-based iron delivery system
- 2023 Understanding the status, trends, drivers, of malnutrition in young children and the policy and programme response in Thailand
- 2023-2025 Iron fortified food to improve Japanese encephalitis and typhoid fever vaccine efficacy: a randomized controlled trial in iron deficient Thai women
- 2023-2028 Long-Term Iron Absorption and Loss in Overweight/Obese Thai Middle-Aged Women
- 2023-2029 Total Energy Expenditure Across the Life Course in Low and Middle-Income Countries
- 2024-2028 Assessing long-term iron absorption and loss in Thai adults with non-transfusion-dependent thalassemia (NTDT) using a novel stable iron isotope dilution method



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- 2025 Development and validation of a semi-quantitative food frequency questionnaire for assessing dietary intake in Thai preschool children aged 3-5 years
- 2025-2027 โครงการ อายิโนะโมะโต๊ะ โภชนาการเพื่อเด็กไทย ก้าวไกลสร้างชาติ

Training:

- 2024 Quantitative Nutrition: Unlocking the power of Data
St John's Medical College, Bangalore, India

Publications

National:

1. Sukboon P, Tuntipopipat S, Praengam K. Ethanol Extract of Aril and Pulp from *Momordica cochinchinensis* Fruit Exhibits Antiinflammatory Effect in LPS-induced Macrophage RAW264.7 Cells. *Thai Journal of Toxicology*. 2019; 34(1): 71-90.
2. Munsuk T, Sukboon, P, Phumsuay R, Tuntipopipat S, Muangnoi, C. Protective Effects of Extraction and Bioaccessible Fraction of Gac Fruit against H₂O₂-Induced Oxidative Damage in Human Retinal Pigment Epithelial (ARPE-19) Cells. *Thai Journal of Toxicology*, 2024; 39(1): 22–36.
3. Somboon K, Sukboon P, Phumsuay R, Tuntipopipat S, Sukprasansap M, Muangnoi C. Protective Effects of Extraction and Bioaccessible Fraction of Mulberry on Hydrogen Peroxide-Induced Oxidative Damage in Human Retinal Pigment Epithelial (ARPE-19) Cells. *Journal of Nutrition Association of Thailand*, 2024; 59(1): 60–72.

International:

1. Bromage S, Pongcharoen T, Prachansuwan A, Sukboon P, Srichan W, Purttiponthane S, Deitchler M, Moursi M, Arsenault J, Ali N. B, Batis C, Fawzi W. W, Winichagoon P, Willett W. C, Kriengsinyos W. Performance of the Global Diet Quality Score (GDQS) App in Predicting Nutrient Adequacy and Metabolic Risk Factors among Thai Adults. *The Journal of nutrition*, 2023; 153(12): 3576–3594.
2. Pongcharoen T, Rojroongwasinkul N, Tuntipopipat S, Winichagoon P, Vongvimetee N, Phanyotha T, Sukboon P, Muangnoi C, Praengam K, Khouw I, SEANUTS II [Thailand] study group. South East Asian Nutrition Surveys II (SEANUTS II) Thailand: triple burden of malnutrition among Thai children aged 6 months to 12 years. *Public health nutrition*, 2024; 27(1): e152.
3. Joompa P, Sukboon P, Schultink W, Zimmermann M. B, Gowachirapant S. A sentinel survey in remote Western Thailand indicates that school-aged children and reproductive-aged women of the Indigenous Pwo Karen community are iodine sufficient. *The British journal of nutrition*, 2025; 133(3): 1–6.



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4. Sukboon P, Phumsuay R, Promkum C, Thiyajai P, Sukprasansap M, Muangnoi C. Mulberry Extract Mitigates Glucose-Induced Oxidative Injury in Differentiated ARPE-19 Cells by Enhancing Antioxidant Defense: Implications for Diabetic Retinopathy. *Food science and nutrition*, 2025; 13(5): e70180.
5. Vinitchagoon T, Rooppat Y, Sukboon P, Limvilai T, Sivaboonyawong N, Somnuek W, Madtohsah M, Cetthakrikul N, Pongcharoenet T. Applying Social Cognitive Theory to Understand Perspectives on Child Feeding Practices of Thai Female Caregivers With Young Children With Stunting. *Maternal and Child Nutrition*, 2025; 22: 1–14.