



Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)

999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon

Name: Pattamaporn Joomba, Ph.D.

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Current position: Researcher

Education

- 2017 Doctor of Philosophy (Biochemistry),
Faculty of Science, Mahidol University
- 2011 Bachelor of Science (Medical Technology), Second class honors,
Faculty of Medical Technology, Mahidol University

Research Interest and Expertise

- Nutritional biochemistry
- Nutritional biomarkers
- Bioactive compounds in foods

Research Experiences

- Evaluation of the effect and mechanism of microalgal crude extract on oxidative stress-induced human retinal pigment epithelial cells *in vitro*
- Effects and mechanisms of the extract and bioavailable fraction of rainbow rice leave on human retinal pigment epithelial cells induced inflammation *in vitro* and *in vivo*
- Building capacity for standardized measurement of diet quality and key nutritional biomarkers for capturing the triple burden of malnutrition as part of population surveys in low- and middle-income countries
- Iodine status of the indigenous peoples (Karen) living in Laiwo subdistrict, the Sangkhlaburi district, Kanchanaburi province, Thailand
- Testing a natural polyphenol supplement to inhibit dietary iron absorption in Thai adults with iron-loading thalassemia: a stable isotope study
- Climate change resilience of indigenous socioecological systems
- The study of food management patterns for school-age children in primary school on the effects of proper dietary fat intake: a case study of Nakhon Pathom
- Influence of scientific method-based food and nutrition learning program on motivating healthy food consumption
- Development of a food management model for elderly health in Nakhon Pathom Province
- Proteomic and phosphoproteomic analysis of host-bacteria interaction



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Publications

National

1. Prapa Kongpunya, **Pattamaporn Joompa**, Somchoke Khunsanong, and Charana Sapsuwan. Development of a food management model for elderly health in Nakhon Pathom Province, *J Public Health* 2019; 49(2): 249-261

International

1. **Joompa, P.**, Thongkam, N., Chotiboriboon, S. and Kongpunya, P. (2025), "Influence of scientific method-based food and nutrition learning program on motivating healthy food consumption", *Health Education*, Vol. 125 No. 2, pp. 216-226. <https://doi.org/10.1108/HE-03-2024-0032>
2. **Joompa, P.**, Sukboon, P., Schultink, W., Zimmermann, M. B., & Gowachirapant, S. (2025). 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*, 1–6. Advance online publication. <https://doi.org/10.1017/S0007114524003325>
3. García Molinos, J., Gavrielyeva, T., **Joompa, P.**, Narita, D., Chotiboriboon, S., Parilova, V., Sirisai, S., Okhlopkov, I., Zhang, Z., Yakovleva, N., Kongpunya, P., Gowachirapant, S., Gabyshev, V., & Kriengsinyos, W. (2022). Study protocol: International joint research project 'climate change resilience of Indigenous socioecological systems' (RISE). *PloS one*, 17(7), e0271792. <https://doi.org/10.1371/journal.pone.0271792>