



Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)

999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon

Name: Sayamon Senaprom, Ph.D.

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Current position: Researcher

Education

2024 Ph.D. (Health Research and Management: Epidemiology and Biostatistics) Faculty of Medicine, Chulalongkorn university, Thailand

2012 M.Sc. (Nutrition) Institute of Nutrition and Faculty of Medicine, Ramathibodi Hospital, Mahidol University, Thailand

2006 B.Sc. (Nutrition) Faculty of Public Health, Mahidol University, Thailand Research Interest and Expertise

Research Experiences

1. Clinical Epidemiology and Biostatistics
2. Food consumption survey

Research Experiences

2025 Comparative Effects of *Sappan*, *Mulberry*, and *Tagetes* Flavonoids on ongoing Gut Microbiome, Metabolic Health, and Systemic Biomarkers – A Randomized Controlled Trial (PrebioTrial 3 Flavonoids) (Co-Investigator)



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2025	Effects of <i>Hibiscus Anthocyanin</i> Supplementation on Gut Microbiome
ongoing	Composition, Metabolic Markers, Liver Health, Body Fat, and Skin Properties: A Randomized Controlled Trial (Co-Investigator)
2024	Efficacy, Safety and mechanisms of actions of <i>Mucuna pruriens</i> DC. seed extract diminishes glucose concentration in prediabetes including oral and gut microbiome profiles analysis (Co-Investigator)
2024	Protein Consumption Baseline and Trend Analysis in Thailand (Co-Investigator)
2024	Sugar Composition of Thai Desserts and Gut Microbiome Profiles in Healthy Volunteers: A Randomized Controlled Trial (Co-Investigator)
2023	Glycemic Index and Glycemic Load of Local Famous Desserts in Thailand (Co-Investigator)
2017	A Survey of Vitamin and Mineral Exposure Through Dietary Supplement Consumption in Thailand (Co-Investigator)
2015	The 2nd Thailand national food consumption survey (Co-Investigator)
2011	South East Asian Nutrition Surveys I (SEANUTS I) Thailand; Nutritional survey of Thai children aged 6 months – 12 years (Co-Investigator)

Training

2025	Systematic Review and Meta-Analysis Workshop (2nd Batch) Online Training via Zoom Organized by the Department of Clinical Epidemiology and Biostatistics, Faculty of Medicine, Ramathibodi Hospital
2025	MATLAB Training Program – Batch 1 Course: Updated R2024b MATLAB Fundamentals
2025	KANPAI Data Management System Training
2025	Personnel Development Program for Effective Work Performance INMU Boost Up: Empowering Skills for the Future
2025	Cybersecurity Training for Personnel of the Institute of Nutrition
2025	Capacity Building Training for Personnel of the Institute of Nutrition Topic: Design and Implementation of Population Nutrition Surveys



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| 2025 | Research Integrity Training Program Organized by Chiang Mai University (Online) |
| 2025 | Capacity Building Training for Personnel of the Institute of Nutrition
Topic: Systematic Review and Meta-analysis Workshop
In collaboration with the Faculty of Pharmacy, Mahidol University
Conducted online via Zoom |
| 2025 | Annual Workshop on Basic Firefighting Training and Fire Evacuation Drill (2025) |

Publications

International

1. Ondee T, Pongpirul K, Wongsaroj L, **Senaprom S**, Wattanaphansak S, Leelahavanichkul A. *Lactiplantibacillus plantarum dfa1* reduces obesity caused by a high carbohydrate diet by modulating inflammation and gut microbiota. Sci Rep. 2025 Jul 10;15(1):24801. doi: 10.1038/s41598-025-10435-x.
2. **Senaprom, S.**; Namjud, N.; Ondee, T.; Bumrungpert, A.; Pongpirul, K. Sugar Composition of Thai Desserts and Their Impact on the Gut Microbiome in Healthy Volunteers: A Randomized Controlled Trial. Nutrients 2024, 16, 3933. <https://doi.org/10.3390/nu16223933> **Senaprom, S.**; Namjud, N.; Ondee, T.; Bumrungpert, A.; Pongpirul, K. Sugar Composition of Thai Desserts and Their Impact on the Gut Microbiome in Healthy Volunteers: A Randomized Controlled Trial. Nutrients 2024, 16, 3933. <https://doi.org/10.3390/nu16223933>
3. Namjud, N.; **Senaprom, S.**; Ondee, T.; Bumrungpert, A.; Heath, J.; Pongpirul, K. Glycemic index and glycemic load of local famous desserts in Thailand. Front. Nutr. 2024, 11.
4. Ondee, T.; Pongpirul, K.; Udompornpitak, K.; Sukkumee, W.; Lertmongkolaksorn, T.; **Senaprom, S.**; Leelahavanichkul, A. High Fructose Causes More Prominent Liver Steatohepatitis with Leaky Gut Similar to High Glucose Administration in Mice and Attenuation by *Lactiplantibacillus*



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- plantarum* *dfa1*. Nutrients 2023, 15, 1462.
<https://doi.org/10.3390/nu15061462>
5. **Senaprom S**, Yamborisut U, Rojroongwasinkul N, Wimonpeerapattana W, Purttiponthanee S, IKhouw I, Deurenberg P. Factors associated with vitamin D status among Thai children aged 3- 13 years. Southeast Asian J Trop Med Public Health 2016; 47 (2): 277-86.
 6. Purttiponthanee S, Rojroongwasinkul N, Wimonpeerapattana W, Thasanasuwan W, **Senaprom S**, Khouw I, Deurenberg P. The effect of breakfast type on total daily energy Intake and body mass index among Thai school children. Asia Pac J Public Health. 2016; 1-9.
 7. Yamborisut U, Wimonpeerapattana W, Rojroongwasinkul N, Boonpradern A, **Senaprom S**, Thasanasuwan W, Khouw I, Deurenberg P. Calcium intake in relation to body mass index and body fatness in Thai school-aged children. Open J Pediatr 2015; 5: 104-112.
 8. Sirichakwal P, Janesiripanich N, Kunapun P, **Senaprom S**, Purttipornthanee S. Breakfast consumption behaviors of elementary school children in Bangkok metropolitan region. Southeast Asian J Trop Med Public Health. 2015 Sep; 46 (5): 939-48.

Poster Presentation

1. Pongpirul, K.; Ondee, T.; **Senaprom, S.**; Wongsaroj, L.; Leelahavanichkul, A. Effects of *Lactiplantibacillus plantarum dfa1* and High-Fiber Dessert Diet on *Akkermansia* Abundance and Metabolic Health in Mice. Curr. Dev. Nutr. 2024, 8, 103484.
2. Pongpirul, K., Namjud, N., **Senaprom, S.**, Ondee, T., Bumrungpert, A., & Heath, J. (2023). P16-031-23 Glycemic Index and Glycemic Load of Brief Sugary Sweets and Effect on Gut Microbiome: Randomized Controlled Trials of 8 Thai Desserts. Current Developments in Nutrition, 7.