

WANNACHANOK BOONCHOO, PhD

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Professional Profile

Nutrition researcher and lecturer with experience in public health nutrition, nutrition policy, food environment, dietary assessment, and health promotion. Formerly served as a medical scientist at the Bureau of Nutrition, Department of Health, Ministry of Public Health, Thailand, with extensive experience in national nutrition policy, nutrition surveillance, and health promotion programs. Current research focuses on diet quality, nutrient affordability, food environments, food-based dietary guidelines, and community-based strategies to promote healthy eating.

Education

PhD in Nutrition Sciences

Graduate School of Nutrition Sciences, Kagawa Nutrition University, Japan | March 2018

Master of Applied Biological Chemistry

Graduate School of Agriculture, Tokyo University of Agriculture and Technology, Japan | March 2009

Physiological and Biological Chemistry Course

Bachelor of Applied Biological Science

Tokyo University of Agriculture and Technology, Japan | March 2007

Nutritional and Physiological Chemistry Laboratory

Professional Experience

Lecturer

Department of Nutrition, Faculty of Public Health, Mahidol University, Thailand | 2022–present

Medical Scientist, Professional Level

Bureau of Nutrition, Department of Health, Ministry of Public Health, Thailand | 2009–2022

Research Interests

- Food environments and healthy eating promotion
- Nutrition policy and food-based dietary guidelines
- Diet quality assessment and nutrient-dense foods
- Nutrient affordability and nutrient-to-price analysis
- Nutrition surveillance and community-based nutrition promotion
- Dietary assessment among children and population groups

Selected Research Projects

- Nutrient-to-Price Analysis of Commonly Consumed Foods in Thailand (2023)
- Evaluation of the Use of a Manual for Monitoring and Assessing Nutritional Status and Development among Early Childhood Children in Pilot Areas (2023–2024)

- Situation Analysis of Nutrition and Surveillance for Promoting Healthy Food Consumption (2023–2024)
- Development of Sustainable Approaches for Health-Promoting Street Food Management (2023–2025)
- Food and Nutrition Environment Management and Surveillance for Health Promotion (2024–2025)
- Development and Validation of a Semi-Quantitative Food Frequency Questionnaire for Assessing Dietary Intake in Thai Preschool Children Aged 3–5 Years (2025)
- Effects of Omega-3-Enriched Pork Consumption on Health Outcomes among Adults with Hyperlipidemia (2025)
- Assessment of Perceptions and Understanding of the Thai Food-Based Dietary Guidelines among School-Aged Children, Adolescents, and Working-Age Adults (2025)
- Effects of Choice Architecture Strategies on Lower-Sugar Beverage Selection (2025)

Peer-Reviewed Journal Articles

1. Boonchoo, W., Takemi, Y., Hayashi, F., Koiwai, K., & Ogata, H. (2017). Dietary intake and weight status of urban Thai preadolescents in the context of food environment. *Preventive Medicine Reports*, 8.
2. Chai-opanon, S., Gunthawong, N., & Boonchoo, W. (2020). PP&P: Opportunity in COVID-19 crisis. *Thailand Journal of Health Promotion and Environmental Health*, 43(2).

Conference Presentations

1. Senkham, K., & Boonchoo, W. (2022). Formative evaluation of the national plan of action on nutrition. Poster presentation at the 15th Thailand Health Promotion and Environmental Health Conference, Bangkok, Thailand.
2. Boonchoo, W., & Takemi, Y. (2018). A self-reported predefined dietary score for school-aged children in grades 5–6 in the Bangkok Metropolitan Area and its association with diet-related lifestyle factors. Oral presentation at the 12th Thailand Congress of Nutrition, Bangkok, Thailand.
3. Boonchoo, W., & Takemi, Y. (2017). Exploring the effect of dietary intake on weight status among preadolescents in an urban setting using a newly proposed food group classification: Evidence from Thailand. Poster presentation at the 21st International Congress of Nutrition, Buenos Aires, Argentina.
4. Boonchoo, W., & Takemi, Y. (2016). Comparison of dietary intake among children aged 10–12 years in rural and urban areas of Thailand. Oral presentation at the 70th Annual Meeting of the Japan Society of Nutrition and Food Science, Kobe, Japan.
5. Boonchoo, W., & Takemi, Y. (2015). Parental feeding practices influence children's weight status and eating behaviors: A systematic review of longitudinal studies. Poster presentation at the 12th Asian Congress of Nutrition, Yokohama, Japan.
6. Boonchoo, W. (2013). Effects of cooking methods on antioxidant capacity in vegetables consumed in Central Thailand. Poster presentation at the Thailand Health Promotion and Environmental Health Conference, Bangkok, Thailand.
7. Tongbusirilai, N., Boonchoo, W., & Saiwongse, N. (2012). Nutrient intake in Thai strict vegetarians. Poster presentation at the 16th International Congress of Dietetics, Sydney, Australia.
8. Miura, Y., Boonchoo, W., Mimura, S., & Yagasaki, K. (2009). O-GlcNAc modification plays an important role in tumor phenotypes under hypoxia. Poster presentation at the 19th International Congress of Nutrition, Bangkok, Thailand.

9. Boonchoo, W., Miura, Y., & Yagasaki, K. (2008). Effects of food deprivation and diabetes on O-GlcNAc-modified proteins. Oral presentation at the 2008 Annual Meeting of the Japan Society for Bioscience, Biotechnology and Agrochemistry, Nagoya, Japan.

Books/publications (in Thai)

1. Kunlanant Senkham, Wannachanok Boonchoo: National Plan of Action on Nutrition (Revised version), Aksorn Graphic and Design, Bangkok (2022)
2. Kulaporn Sukumaltrakul, Wannachanok Boonchoo (eds): How to prevent Breast cancer, Agriculture Coop., Bangkok (2013)
3. Kulaporn Sukumaltrakul, Wasuntaree Sereesuchat, Wannachanok Boonchoo, Sutthasinee Janbailek (eds): Diet Therapy Assessment Guideline for Hospitals, WVOprinting, Bangkok (2015)
4. Nattira Tongbusirilai, Kulaporn Sukumaltrakul, Veerawan kornmongkolrak, Wasuntaree Sereesuchat, Wannachanok Boonchoo, Sutthasinee Janbailek: Recommended food plan for diabetes type 2, KaewJaoJom, Bangkok (2011)
5. Nattira Tongbusirilai, Kulaporn Sukumaltrakul, Veerawan kornmongkolrak, Wasuntaree Sereesuchat, Wannachanok Boonchoo, Sutthasinee Janbailek: Recommended food plan for hypertension, KaewJaoJom, Bangkok (2011)
6. Wilailak Srisura, Wasuntaree Sereesuchat, Bang-ern Thongmon, Wannachanok Boonchoo, Laksanin Rungtrakul (eds): 25 Healthy Menu Recipes, SamCharoen Panit, Bangkok (2019)
7. Wasuntaree Sereesuchat, Wannachanok Boonchoo, Sutthasinee Janbailek, Bang-ern Thongmon, Laksanin Rungtrakul, Wipasri Suwannaphol, Rachasan Cheejang: Healthy Meeting Guideline, Rak Ngan Production, Bangkok (2019)

Books and Technical Publications in Thai

1. Senkham, K., & Boonchoo, W. (2022). *National plan of action on nutrition: Revised version* [in Thai]. Aksorn Graphic and Design, Bangkok, Thailand.
2. Sukumaltrakul, K., & Boonchoo, W. (Eds.). (2013). *How to prevent breast cancer* [in Thai]. Agriculture Cooperative Printing, Bangkok, Thailand.
3. Sukumaltrakul, K., Sereesuchat, W., Boonchoo, W., & Janbailek, S. (Eds.). (2015). *Diet therapy assessment guideline for hospitals* [in Thai]. WVO Printing, Bangkok, Thailand.
4. Tongbusirilai, N., Sukumaltrakul, K., Kornmongkolrak, V., Sereesuchat, W., Boonchoo, W., & Janbailek, S. (2011). *Recommended food plan for type 2 diabetes* [in Thai]. Kaew Jao Jom, Bangkok, Thailand.
5. Tongbusirilai, N., Sukumaltrakul, K., Kornmongkolrak, V., Sereesuchat, W., Boonchoo, W., & Janbailek, S. (2011). *Recommended food plan for hypertension* [in Thai]. Kaew Jao Jom, Bangkok, Thailand.
6. Srisura, W., Sereesuchat, W., Thongmon, B., Boonchoo, W., & Rungtrakul, L. (Eds.). (2019). *25 healthy menu recipes* [in Thai]. Sam Charoen Panit, Bangkok, Thailand.
7. Sereesuchat, W., Boonchoo, W., Janbailek, S., Thongmon, B., Rungtrakul, L., Suwannaphol, W., & Cheejang, R. (2019). *Healthy meeting guideline* [in Thai]. Rak Ngan Production, Bangkok, Thailand.