



Curriculum Vitae

Institute of Nutrition, Mahidol University (INMU)

999 Phutthamonthon 4 Rd., Salaya, Phutthamonthon

Name Miss Chadamas Promkum
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Current position Researcher

Education

M.Sc. (Food and Nutritional Toxicology), Mahidol University, Bangkok, Thailand
B.N.S. (Bachelor of Nursing Science), Mahidol University, Bangkok, Thailand
Nursing License Number: 4311154642

Research Interest and Expertise

- Clastogenic and anti-clastogenic effect of edible plants, herbs, fruits, and natural products including phytochemical compounds.
- Mutagenic and anti-mutagenic activities of edible plants, herbs, fruits, and natural products including phytochemical compounds.
- Potential health benefits of bioactive/phytochemical compounds in natural food and products.
- Assessment of pesticide residues in vegetables and fruits.
- Safety evaluation of novel foods and functional food; food additive, plants, herbs, fruits including natural products.
- Toxicological screening for potential genotoxic compounds. (The micronucleus assay)
- Screening testing of the carcinogenicity and anti-carcinogenicity of new chemical compounds/ phytochemical compounds in herbs and plants. (Ames Test assay)

Training

- 2024 • Human subject protection course (HSP) & Good clinical practice course (GCP) and focusing on the ethics on clinical trials on 7th-9th Oct 2024, Forum for Ethical Review Committee in Thailand (FERCIT).
- Clinixir Good Clinical Practice (ICH GCP E6 R2) Training Program for Investigator Site Staff - Version 2.0 on 18th Nov, 2024.
- Clinixir Clinical Research Associate (CRA) Academy Program during 06-Mar-2024 to 16-May-2024.



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- อบรมหลักสูตร "ความปลอดภัยทางชีวภาพและการรักษาความปลอดภัยทางชีวภาพ" วันที่ 4 - 5 พฤศจิกายน พ.ศ. 2567 ณ คณะเทคนิคการแพทย์ มหาวิทยาลัยมหิดล
- อบรมหลักสูตร "การพิจารณางานวิจัยด้านความปลอดภัยทางชีวภาพ" วันที่ 30 กันยายน พ.ศ.2567 ณ สถาบันวิจัยประชากรและสังคม มหาวิทยาลัยมหิดล ศาลายา
- Education and training program for researchers by Central Animal Facility, Faculty of Science, Mahidol University (MUSC-CAF) on the topics of law and regulations for laboratory animal use animal care and use protocol and animal welfare concern occupational health and safety in the care and use of research animals essential concepts of statistics used in animal research.

Publications

National

1. Wannagorn Khunnasarn, **Chadamas Promkum**, Rianthong Phumsuay, Sarunya Kitdumrongthum, Chaniphun Butryee, Chawanphat Muangnoi, Monruedee Sukprasansap. Antioxidant capability and inhibitory effect of leaf extracts of *Albizia lebbek* (L.) Benth. against formation of mutagen and mutagenesis. Journal of Nutrition Association of Thailand 2024; 59(1): 86-106. (TCI: Tier 1)
2. Nuengrutai Krutkabgaew, Iyarit Thaipisuttikul, Kanokwan Manoonphol, **Chadamas Promkum**, Pornpoj Pramyothin, Wanjan Deekum, Chaniphun Butryee. The Effects of Thai Black Garlic Consumption on Gut Microbiota in Thai Adults with Abdominal Obesity: A Randomized Controlled Trial. Thai Journal of Toxicology 2023; 38(2): 80-101.
3. **ชฎามาต พรหมคำ**, ศิริศักดิ์ สนุทรไชย, ชนิพรรณ บุตรยี่, เพ็ญศรี วัจจละญาณ และคณะ. คู่มือจำแนกความเป็นอันตรายของสารเคมีตาม Globally Harmonized System of Classification and Labelling of Chemicals (GHS2015) กรุงเทพมหานคร: กรมโรงงานอุตสาหกรรม, 2560. 134 หน้า

International

1. Manoonphol K, Suttisansanee U, **Promkum C**, Butryee C. Effect of thermal processes on *s*-allyl cysteine content in black garlic. Foods 2023, 12, 1227. <https://doi.org/10.3390/foods12061227>.



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2. Trachootham D, Sato-Kuriwada S, Lam-Ubol A, **Promkam C**, Chotechuang N, Sasano T, Shoji N. Differences in taste perception and spicy preference: a Thai -Japanese cross- cultural study. *Chem Senses*. 2018; 43(1): 65-74.
3. Trachoothama D, Chupeeracha C, Tuntipopipat S, Pathomyok L, Boonnak K, Praengam K, **Promkam C**, Santivarangkna C. Drinking fermented milk containing *Lactobacillus paracasei* 431 (IMULUS™) improves immune response against H1N1 and cross-reactive H3N2 viruses after influenza vaccination: A pilot randomized triple-blinded placebo controlled trial. *J Functional Foods*. 2017; 33: 1-10.
4. **Promkum C**, Butryee C, Tuntipopipat S, Kupradinun P. Anticlastogenic effect of *Eryngiumfoetidum* L. assessed by erythrocyte micronucleus assay. *Asian Pacific Journal of Cancer Prevention* 2012; 13:3343-7.
5. **Promkum C**, Kupradinun P, Tuntipopipat S, Butryee C. Nutritive evaluation and effect of *Moringaoleifera* pod on clastogenic potential in the mouse. *Asian Pacific Journal of Cancer Prevention* 2010; 11: 231-238.

Proceedings Publications

1. Naphak Moonnamarng, **Chadamas Promkum**, Chaniphun Butryee, Monruedee Sukprasansap. Evaluation of mutagenic activity of fruits and leaves extracts from Thai berries. Proceedings, the 12th National Conference in Toxicology, Thailand. 2022; 86-99.

Presentations

1. **Chadamas Promkum**, Wannagorn Khunnasarn, Rianthong Phumsuay, Sarunya Kitdumrongthum, Chaniphun Butryee, Chawanphat Muangnoi, Monruedee Sukprasansap. Evaluation of mutagenic activity of different leaf extracts from *Albizia lebbek* (L.) Benth.
2. Naphak Moonnamarng, **Chadamas Promkum**, Chaniphun Butryee, Monruedee Sukprasansap. Evaluation of mutagenic activity of fruits and leaves extracts from Thai berries. The 12th National Conference in Toxicology (NCT12), Bangkok, Thailand. September 15-16, 2022