



ATCHARA DAWANGPA

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INTRODUCTION ABOUT MY SELF

I am a Molecular Biology researcher currently focusing on the role of immune checkpoint molecules in Colorectal Cancer (CRC) to advance immunotherapy treatments. I really enjoy working in collaborative teams where I can use my lab skills and management experience to help the project move forward smoothly

EDUCATION

Master degree of Science

Aug 2018 – Dec 2020

- Animal Health and Biomedical Sciences Major
- Kasetsart University, Bang Ken Campus

Bachelor of Science–

Aug 2014 – May 2018

- Veterinary Nurse Major GPA 3.41
- Kasetsart University, Bang Ken Campus

WORK EXPERIENCE

As a research assistant at Siriraj Medical Research Center

Dec 2022-Now

- DNA isolation from blood and PBMC cells for PCR and DNA methylation analysis.
- Cultured PBMC cells to facilitate senescent cell analysis.
- Authored research papers for submission and publication in academic journals.
- Coordinated community outreach efforts to recruit and collect volunteer samples for research projects.
- Prepared disbursement documents and reviewed budgets in collaboration with research funding sources.
- Managed procurement of essential materials and equipment for scientific laboratories.
- Prepare and submitted progress reports to secure and maintain research funding.

Project Manager at AGB Research Center, Department of Genetics, Faculty of Science, Kasetsart University

Jun 2022-Oct 2022

- Coordinate funding sources for projects related to research.
- Draft progress reports and send them on schedule to funding sources.

Post Master Researcher at Center for Advanced Studies for Agriculture and Food (CASAF) in Reinventing University Program

Sep 2021- Aug 2022

- Performed molecular laboratory analyses to assess environmental drug resistance and chemical contamination in wastewater originating from the hospital vicinity.
- A draft of a paper that will be published in international journals.

As a research assistant at Kasetsart University Research and Development Institute (KURDI)

Jan 2021 – Aug 2021

- Performed microbiology experiments to cultivate various bacteria and fungi, alongside extracting herbal compounds from plants

PUBLICATION

- **Dawangpa, A.**, Lertwatcharasarakul, P., Ramasoota, P., Boonsoongnern, A., Ratanavanichroj, N., Sanguankiat, A., Phatthanakunanan, S., Tulayakul, P. Genotypic and phenotypic situation of antimicrobial drug resistance of Escherichia coli in water and manure between biogas and non-biogas swine farms in Central Thailand. Journal of Environmental Management. 2020.
- **Dawangpa, A.**, Lertwatcharasarakul, P., Boonsoongnern, A., Ratanavanichroj, N., Sanguankiat, A., Pinniam, N., Jalae, S., Laopiem, S., Tulayakul, P. Multidrug resistance problems targeting piglets and environmental health by Escherichia coli in intensive swine farms. Emerging contaminants journal. 2022.
- Ruenghiran, C., **Dawangpa, A.**, Pinneum, N., Sanguankiat, A., Chiemchaisri, C., Chiemchaisri, W., Sritumpawa, W., Kijpreedaborisuthi, O., Jeon, B., Tulayakul, P., Environmental risk quotient of the antibiotic, phenotypic, and genotypic profiles for antibiotic resistance of Escherichia coli collected from manure and wastewater at swine farms in Prachinburi Province, Thailand. Emerging contaminants journal. 2022.
- Maneesing, T., **Dawangpa, A.**, Chaivanit, P., Songsakul, S., Prasertsri, P., Yumi, N., Watanabe, L., Carla Nonino, B., Pratumvinit, P., Sae-Lee, C., 2023. Optimising Blood Glucose Control with Portioned Meal Box in Type 2 Diabetes Mellitus Patients: a randomised control trial. Frontiers in Nutrition journal.
- **Dawangpa, A.**, Chitta, P., da Silva Rodrigues, G., Ladsee, N., Noronha, N., B Nonino, C., R Bueno Júnior, C., Sae-Lee, C. Impact of combined exercise on blood DNA methylation and physical health in older women with obesity. PLoS One journal. 2024.
- Pratumvinit B, De Biasi J, Boonyasit Y, Sutiwisesak R, Chitta P, Korsirikoon C, **Dawangpa A**, Khamrangsee S, Kaewboonruang W, Sae-Lee C. Roles of folate, vitamin B12 and vitamin D in older individuals with frailty. Nutrition Research Reviews. 2025.
- Sutiwisesak R, Korsirikoon C, Khamrangsee S, Techaniyom P, Chitta P, Pratumvinit B, **Dawangpa A**, Wongloet W, Kaewboonruang W, Assantachai P, Muangpaisan W, Maneesing T, Supapueng O, Soongsathitanon J, Dharakul T, Boonnak K, Borkowski JJ, Sae-Lee C. Development of a frailty screening tool using components from clinical parameters and frailty criteria for Thai community-dwelling older adults. BMC Geriatrics. 2026

AWARDS AND RECEIVED SCHOLARSHIPS

- Poster Oral Presentation Award in SICEM 2026.
- Travel Grant by The 14th Seoul International Congress of Endocrinology and Metabolism (SICEM 2026), 2026.
- Granted a Research Assistant by Center for Advanced Studies for Agriculture and Food (CASAF) in Reinventing University Program, 2021.
- Granted for scholarship for Master degree student by The Graduate School, Kasetsart University, 2018.

CONFERENCES

- The 14th Seoul International Congress of Endocrinology and Metabolism (SICEM 2026), 2026, Incheon, Korea.
- The 11th Asian Conference for Frailty and Sarcopenia (ACFS 2025), 2025, Kaohsiung, Taiwan.
- Siriraj International Conference in Medicine and Public Health (SICMPH 2023), 2023, Bangkok, Thailand

ADDITIONAL INFORMATION

- **Languages:** English, Thai
- **Activities:** Finals of the third AOAC Contest: Microbiological and Chemical Proficiency Test, 2017.