



Thai Union

Profile of Professor and Associate Professor at GIC

Updated Jan 2022

Professor and Associate Professor at GIC

Names	Professional Experience	Technical Expertise
Angkana Wipatanawin, PhD (Associate Professor)	Faculty of Biotechnology, Mahidol University	<ul style="list-style-type: none"> • Applications of microorganism, enzyme and cell culture for food biotechnology • Bioactive compounds screening using in vitro models
Anja Janssen, PhD (Associate Professor)	Food Process Engineering at Wageningen University	<ul style="list-style-type: none"> • Biochemistry • Food and bioprocess engineering • Bioprocess engineering • Enzymes • Food process engineering • Proteins
Apiradee Hongsthong, PhD (Principal Researcher)	Principal Researcher at BIOTEC Bio-Sciences and Systems Biology Research and King Mongkut's University of Technology Thonburi (KMUTT)	<ul style="list-style-type: none"> • Proteomics • Bioactive peptides • Bioinformatics tools • Protein/peptide analytical platform
Chakrit Techaapaikoon, PhD (Assistant Professor)	Assistant Professor at the School of Bioresources and Technology, King Mongkut's University of Technology Thonburi, Bangkok, Thailand	<ul style="list-style-type: none"> • Discovery Novel Extremely Anaerobic Microorganisms and Its Utilization • Utilization of Microorganisms and Enzymes for Green Environmental Pretreatment and Green Energy
Chanida Pachotikarn, PhD (Assistant Professor)	Assistant Professor and Advisor, Institute of Nutrition, Mahidol University, Thailand President of Thai Dietetic Association	<ul style="list-style-type: none"> • Clinical Nutrition and Dietetics • Impact of Diet Regimen on Nutrition and Health • Medical Nutrition Therapy

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Emorn Udomkesmalee, PhD (Associate Professor)	Associate Professor/Former Director of the Institute of Nutrition, Mahidol University, Thailand and Adjunct Associate Professor in Bloomberg School of Public Health, Johns Hopkins University, USA	<ul style="list-style-type: none"> • Micronutrients Research in Mothers and Children • Vitamin A Assessment and Metabolism • Bioavailability of Micronutrients (e.g. Vitamin A, Iron, Zinc) • Efficacy of Food-Based Interventions to Improve Micronutrient Status • Policy Advocacy for Maternal and Child Nutrition
Jintanaporn Wattanathorn, PhD (Professor)	Director of Research Institute for Human High Performance and Health Promotion (HHP&HP), Northeastern Science Park, Khon Kaen University, Khon Kaen, Thailand Professor, Faculty of Medicine, Khon Kaen University, Khon Kaen, Thailand	<ul style="list-style-type: none"> • Neuro-Science • Physiology • Endocrinology • Complementary Alternative Medicine • Functional Food
Jirawat Yongsawatdigul, PhD (Associate Professor)	Associate Professor at Suranaree University of Technology, Nakhon Ratchasima, Thailand	<ul style="list-style-type: none"> • Biochemical Changes and Functional Properties of Proteins and Peptides Derived from Muscle Foods, Particularly Fish and Chicken. • Bioactive Peptides Encrypted in Muscle Proteins and By-Products from Fish and Poultry Processing Lines.
Kittiphong Paiboonsukwong, M.D., Ph.D. (Lecturer)	Assistant Director for Innovation Development and Academic Service	<ul style="list-style-type: none"> • Molecular Biology • Erythropoiesis • Thalassemia • Apoptosis

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Kwanchanok Viravaidya-Pasuwat, PhD (Associate Professor)	Associate Professor at Department of Biological Engineering, Faculty of Engineering, King Mongkut's University of Technology Thonburi, Bangkok, Thailand	<ul style="list-style-type: none"> • Cell Sheet Engineering • Tissue Engineering
Narattaphol Charoenphandhu, PhD (Professor)	Distinguished Professor of Physiology Department of Physiology, Faculty of Science, Mahidol University, Bangkok, Thailand	<ul style="list-style-type: none"> • Calcium and Bone Research • Calcium and Ion Transport Study using Radioactive Tracers • Epithelial Impedance Analysis • Computer-Assisted Bone Histomorphometry • Micro-Computed Tomography • Quantitative Immuno-histochemical Analysis • Microarray and Transcriptome Analysis of Enterocytes and Bone Cells • In-Vivo Study in Normal and Mutant Animals • Clinical Trials for Development of Calcium Supplement
Nateetip Krishnamra, PhD (Professor Emeritus)	Acting Assistant to the President for Research and Scientific Affairs, Mahidol University, Bangkok, Thailand Distinguished Professor of Physiology (previously known as Professor 11) Department of Physiology, Faculty of Science, Mahidol University, Bangkok, Thailand Distinguished Research Professor, Thailand Research Fund	<ul style="list-style-type: none"> • Calcium and Bone Research • Calcium Metabolism • Bone Physiology at Systemic, Cellular and Molecular Levels • Endocrine and Gastrointestinal Physiology

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Nattapon Panupinthu, M.D. Ph.D. (Associate Professor)	Associate Professor at the Department of Physiology, Faculty of Science, Mahidol University, Bangkok, Thailand Director of Central Animal Facility, Faculty of Science, Mahidol University (MUSC-CAF)	<ul style="list-style-type: none"> • Calcium and Bone Metabolism • Mechanobiology of the bone cells • In vivo imaging in preclinical animal models
Nuttawee Niamsiri, PhD (Associate Professor)	Lecturer at the Department of Biotechnology, Faculty of Science, Mahidol University, Bangkok, Thailand	<ul style="list-style-type: none"> • Food Science, Food Microbiology, Food Fermentation & Food Safety • Applied Microbiology, Biotechnology & Nanobiotechnology • Biopolymers, Biomaterials & Polymer Science • Nano-/Microparticles for Drug Delivery & Food Colloids Formulation • Membranes And 3d Scaffolds for Tissue Engineering Application
Panan Suntornsaratoon, PhD (Senior Researcher)	Senior Researcher at Department of Physiology, Faculty of Science, Mahidol University, Bangkok, Thailand	<ul style="list-style-type: none"> • Calcium and Bone Research • Bone and Cartilage Histology and Morphometry • Osteopenia and Osteoporosis: Pathogenesis and Development of Interventions • Development of Calcium Supplement from Natural Products
Panwajee Payongsiri, PhD (Lecturer)	Lecturer at Department of Biotechnology, Faculty of Science, Mahidol University, Bangkok, Thailand	<ul style="list-style-type: none"> • Protein Engineering with a Full Understanding of the Various Stages involved in the Development and Manufacture of Bio-products • Engineering Biocatalyst for Better Performance • Bioprocess Planning and Evaluation

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Punnarai Siricharoen, PhD (Lecturer)	Chulalongkorn University, Department of Computer Engineering	<ul style="list-style-type: none"> • Image processing • Computer vision • Machine learning • Mobile-cloud computing applications
Ratchaneewan Aeimpla, Ph.D. (Lecturer)	Lecturer, Department of Physiology, Faculty of Science, Mahidol University, Bangkok, Thailand	<ul style="list-style-type: none"> • Calcium and bone metabolism in type 2 diabetes mellitus • Bone imaging, i.e., micro-computed tomography, bone histomorphometry, immunohistochemistry • In vitro bone cell functions • Thalassemic osteopathy
Sakamon Devahastin, PhD (Professor)	Professor, Department of Food Engineering King Mongkut's University of Technology Thonburi, Bangkok, Thailand	<ul style="list-style-type: none"> • Thermal and Non-Thermal Processing of Foods and Biomaterials, in Particular the Development and Study of Novel Drying Technologies for Heat- and Oxygen-Sensitive Materials, and Also in Particulate Systems and Computational Fluid Dynamics and Heat / Mass Transfer
Saovanee Chancharoensin, PhD (Associate Professor)	Associate Professor at Mahidol University International College, Mahidol University, Bangkok, Thailand	<ul style="list-style-type: none"> • Microbial Physiology and Genetics • Microbial Enzyme Application.
Saowakon Wongsasulak, PhD (Associate Professor)	Associate Professor at the Department of Food Engineering, Faculty of Engineering, King Mongkut's University of Technology Thonburi, Bangkok, Thailand	<ul style="list-style-type: none"> • Food Science
Siripong Thitamadee, PhD (Assistant Professor)	Lecturer, Department of Biotechnology, Faculty of Science, Mahidol University, Bangkok, Thailand	<ul style="list-style-type: none"> • Cell Fate Determination in Plant Vasculature • Cell Wall Formation in Plants • The Mechanism Underlying Translocation of Double Stranded RNA from Environment into Cells

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Siriyyupa Netramai, PhD (Associate Professor)	Bio-innovation and Bio-based Product Intelligence, Mahidol University	<ul style="list-style-type: none"> • Food packaging, Anti-microbial packaging, Bio-based material, Intelligent packaging • Shelf-life of food products, Permeability of packaging material • Postharvest technology, food processing, product development
Sittiwat Lertsiri, PhD (Associate Professor)	Associate Professor at Department of Biotechnology, Faculty of Science, Mahidol University, Bangkok, Thailand	<ul style="list-style-type: none"> • Flavor and Aroma Chemistry • Evaluation of Shelf Life for Food Products • Chemical Reactions in Food System • Chemical Safety • Food Safety: Chemical Hazard in Food Processing and Products
Suwapat Kittibunchakul, PhD	Institute of Nutrition, Mahidol University	<ul style="list-style-type: none"> • Fermentation and microbial products • Prebiotics and probiotics • Enzyme technology • Functional food ingredients and health properties of bioactive compounds
Uttra Jamikorn, PhD (Assistant Professor)	Assistant Professor at the Department of Animal Husbandry, Faculty of Veterinary Sciences, Chulalongkorn University, Bangkok, Thailand	<ul style="list-style-type: none"> • Animal Nutrition
Vorasith Siripornpanich, M.D., Ph.D. (Associate Professor)	Associate Professor at the Institute of Molecular Bioscience, Mahidol University, Bangkok, Thailand	<ul style="list-style-type: none"> • Clinical Biology • Cognitive biology • Neurosciences

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Veerawat Teeranachaideekul, Ph.D. (Associate Professor)	Associate Professor at the Department of Pharmacy, Faculty of Pharmacy, Mahidol University, Bangkok, Thailand	<ul style="list-style-type: none"> • Nanoparticles as drug delivery system • Safety assessment of cosmetics • Encapsulation technology • Topical and transdermal drug delivery • Efficacy test for cosmetics • Cosmetic sciences • Formulation of healthcare products • Cosmetic sciences • Emulsion technology • Semi-solid preparations: cream, gel, lotion, ointment • Bioactivities of plant extract • Stability study
Wunwiboon Garnjanagoonchorn, PhD (Associate Professor)	Associate Professor at the Department of Food Science and Technology, Faculty of Agroindustry, Kasetsart University, Bangkok, Thailand	<ul style="list-style-type: none"> • Fishery Product Technology • Egg Product Technology • Food Industrial Waste Utilization