

International

# Graduate Programs 2024



# Walailak University

University of Quality

https://grad.wu.ac.th



+66 75 476 481 - 6



grad.walailak@gmail.com





# CONTENT



03

**WU towards**World Class University

**05** 

Dean Message

07

Study System
Admission Schedule

08

**Tuition Fee** 

09

Walailak University Graduate Scholarships

11

**How to Apply** 

# **Graduate Programs**

College of Graduate Studies	13
	10
Ph.D. and M.Sc. in Agriculture and Food Science	
Ph.D. in Health Sciences (International Program)	
Ph.D. and M.M. in Management (International Program)	
School of Education and Liberal Arts	<b>29</b>
Ph.D. in Liberal Arts (International Program)	
School of Engineering and Technology	<b>35</b>
Ph.D. and M.Eng. in Engineering (International Program)	
School of Informatics	41
Ph.D. and M.Sc. in Management Information Technology Innovation (International Program)	
School of Pharmacy	45
Ph.D. and M.Sc. in Drug and Cosmetic Innovation	
(International Program)	<b>E</b> 1
School of Public Health	JI
Ph.D. and M.Sc. in Health, Environment and Safety	
Ph.D. and M.P.H. in Public Health Research (International Program)	
	50
School of Science	JJ
<ul> <li>Ph.D. and M.Sc. in Data Science and Artificial Intelligence (International Program)</li> </ul>	
Ph.D. and M.Sc. in Science (International Program)	

# WU Towards We rld Class University

**Walailak University**, established since 1992, is one of the 16 frontier research universities in Thailand categorized by Ministry of Higher Education, Science, Research, and Innovation. Over the years, the university has gained increased recognition as evidenced by its national and international achievements. In 2023, Times Higher Education ranked Walailak University as one among 1,904 research-intensive universities across the globe. In its contribution to the United Nations' Sustainable Development Goals (SDGs), Walailak University has excelled in four SDGs: Zero Hunger, Clean Water and Sanitation, Sustainable Cities and Communities, and Life Below Water – being ranked among the world's top 100.

Walailak University commits to producing world-class research to help tackle global challenges. More than 90 percent of the university's research publications are in Scopus-indexed journals in quartiles 1 and 2, marking the highest ratio among Thai institutions. Walailak University has adopted the United Kingdom Professional Standards Framework (UKPSF) to train its teachers and to elevate the quality of education it provides by focusing more on student-centered learning, aiming to improve critical, analytical, and synthetic thinking. Currently, the university has more than 650 lecturers certified by Advance HE based on UKPSF, representing the largest number of HEA Fellowships in Thailand and Southeast Asia.



Cooperative Education is another hallmark of Walailak University. Before graduation, students are required to practice in real-world workplaces for 8 months to enhance both professional and 21st-century skills. The university's partnerships with over 100 institutions across America, Europe, Asia, and Australia have contributed to the promotion of internationalization and strengthening academic and research endeavors. Walailak University has now become a home for international students and staff from over 20 countries.



With a commitment to promoting environmental sustainability and the result of joining the Low Emission Scheme in the previous year, Walailak University, one of the most beautiful campuses in the nation with the largest single land area among Thai universities, has successfully reduced greenhouse gas emissions by up to 7,926.252 tons of CO2 equivalent, earning a Letter of Recognition from Thailand Greenhouse Gas Management Organization, Ministry of Natural Resources and Environment. Besides, UI GreenMetric World University Rankings placed Walailak University at no. 6 in Thailand, no. 83 in the world, translating to the best green campus in Thailand's southern region.

As we march into 2024, students and parents can put their trust in our institution as Walailak University will continue to progress as a world-class institution, shaping individuals to be professionally competent and morally strong and capable of thriving in the era of disruption and evolving global society.

Professor Dr. Sombat Thamrongthanyawong

President

Cr: Message from President (https://www.wu.ac.th/en/message)

# **Dean** Message

Walailak University is a public university receiving royal grace from His Majesty the King who bestowed the name "Walailak University" which is the name of Her Royal Highness Princess Chulabhorn Krom Phra Srisavangavadhana and March 29th of every year has been considered as the foundation day of Walailak University since His Majesty King Bhumibol Adulyadej The Great signed the Walailak University Act on March 29th, 1992

66

Walailak University is a comprehensive university that covers *health sciences, science and technology,* and *social science*. The university is part of the Global and Frontier Research Group that aims at supporting academic development, conducting advanced research, and producing graduate researchers who focus on research published in the world's leading journals.

Associate Professor

Dr. Phongpichit Channuie

Dean of College of Graduate Studies





World University Rankings 2024

Ranked

Joint

1201+

6 th

Worldwide

in Thailand



World University Rankings 2023 Young

Ranked

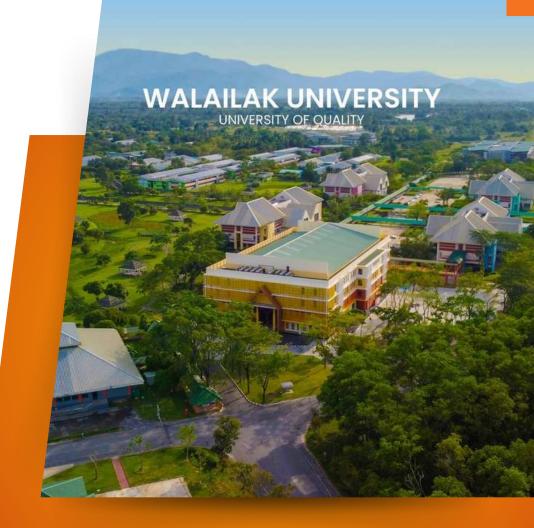
**Joint** 

501+

 $\mathbf{3}^{\mathsf{rd}}$ 

Worldwide

in Thailand



# **STUDY SYSTEM**



Walailak University offers graduate-level education using a semester system, which consists of two semesters per academic year.

# ADMISSION SCHEDULE

## Semester 1/2024

Online Application: Now - February 15, 2024

Consideration Period : February 16, 2024 - March 15, 2024

Application Result: March 31, 2024

Registration/Orientation: June 1, 2024 - June 7, 2024

Semester Start: June 10, 2024

## Semester 2/2024

Online Application : Now - June 15, 2024

Consideration Period : June 16, 2024 - July 15, 2024

Application Result: July 31, 2024

Registration/Orientation: October 26, 2024 - November 1, 2024

Semester Start : November 4, 2024



# **Tuition Fee**

Tuition fee in Thai baht (THB) per semester is mentioned as below.

#### **Doctoral Program**

• International Programs (English as a medium of Instruction)

	Thai	Foreigner
Social Science	112,500 THB	150,000 THB
Science and Technology	135,000 THB	172,500 THB
Health Sciences	150,000 THB	187,500 THB

• Regular Programs (English as a medium of Instruction)

Social Science	32,000 THB
Science and Technology	36,000 THB
Health Sciences	40,000 THB

#### **Master Program**

• International Programs (English as a medium of Instruction)

	Thai	Foreigner
Social Science	82,500 THB	120,000 THB
Science and Technology	105,000 THB	142,500 THB
Health Sciences	135,000 THB	172,500 THB

• **Regular Programs** (English as a medium of Instruction)

Social Science	30,000 THB
Science and Technology	32,000 THB
Health Sciences	34 000 THB

# Walailak University

# **Graduate Scholarships**



In line with Walailak University's commitment to attracting academically talented individuals for advanced studies, advancing the quality of teaching and learning at the graduate level to achieve international recognition, and fostering graduate education and research, the CGS has launched a project to bolster graduate studies. Under this initiative, Walailak University offers scholarships covering tuition fees and related expenses, subject to the conditions and duration outlined within the project.





Doctoral degree	Tuition fee	Allowances	Duration
Funded Scholarships		0,000 Thai baht/month	3 - 4 Years
Tuition Fee Waiver Scholarships	<b>⊗</b>	×	3 - 4 Years
Partial Tuition Fee Waiver - Type I*	$\bigcirc$	×	***
Partial Tuition Fee Waiver - Type II**	$\bigcirc$	×	3 - 4 Years

- \* applicant who awarded scholarship from other organization such as DPST, RGJ, RRi and Others
- \*\* applicant enrolled through an agency with MOU
- \*\*\* in accordance which mentioned in the external scholarships contract

Master degree	Tuition fee	Allowances	Duration
Tuition Fee Waiver Scholarships	$\bigcirc$	×	2 Years
Partial Tuition Fee Waiver - Type I*	$\bigcirc$	×	2 Years
Partial Tuition Fee Waiver - Type II**	Ø	×	***

- \* applicant who awarded scholarship from other organization such as DPST, RRi, TIPP, TICA and Others
- \*\* applicant enrolled through an agency with MOU
- \*\*\* in accordance which mentioned in the external scholarships contract

# MORE INFO (i)

See more detail about Eligibility and Conditions by clicking the link below

https://grad.wu.ac.th/wu-scholarships/ or



# **HOW TO APPLY**



# Step 1 SIGN UP

- 1) Go to admission system https://grad-admission.wu.ac.th/frontend/web/index.php
- 2) Select "Login | Register"
- 3) Click "Sign up"
- 4) Create username and password



#### Step 2

# FILL FORM

After sign up, you can login to select prospective program

- 1) Go to admission system
- 2) Login to do the online application
- 3) Select the prospective level and program
- 4) Fill out the form



#### Step 3

# FUNDING INFORMATION

Specify the type of funding source OR scholarship type using for your studies in **section 5** of the online form



#### Step 4

# ATTACH FILES

Attach all required documents as following,

- 1) a copy of transcript
- 2) a copy of graduation certification
- 3) a copy of ID card OR ID page in passport
- 4) a copy of report for English test proficiency
- 5) Last 6-month bank statement
- 6) research proposal (optional)
- 6) Payment slip







Step 5

After the applicant successfully applies, they will receive an email confirming the application.



Step 6

Applicant can track the application via logging in the admission account.



MORE INFO



See more detail about "Apply Now" by clicking the link below

https://grad.wu.ac.th/apply-now/ or





**VISION** 

TO DRIVE THE COLLEGE OF GRADUATE STUDIES OF WALAILAK UNIVERSITY TO GLOBAL STANDARDS







## School/College

College of Graduate Studies, Walailak University

Discipline
Health Sciences
Instruction

English as a medium of instruction

#### **Degree Level**

#### **Doctoral Degree**

#### **Degree Title**

Doctor of Philosophy Program in Health Sciences (International Program)

#### Program Highlight

- The program is taught in accordance with the United Kingdom Professional Standards Framework (UKPSF). All lecturers in the program are certified for teaching standards and learning support.
- The program has program lecturers who have expertise in various fields.
- The program has prepared study and research plans for individual students and has a system and mechanism for supervising, following up, and helping students to be able to graduate within 3 academic years for students in types 1.1 and 2.1 and 4 academic years for students in types 1.2 and 2.2.

#### Career Path

- Lecturers or academicians in educational institutions or government officials and private organizations, both domestic and abroad
- Researchers in health sciences in educational institutions or government officials and private organizations, both domestic and abroad

#### Program Coordinator



Assoc.Prof.Dr. Chuchard Punsawad Email: chuchard.pu@wu.ac.th Tel: (+66) 7567 7411

Tuition Fee (THB per semester)

- 150,000 THB. per semester for Thai student
- 187,500 THB. per semester for International student









jurai@wu.ac.th Development of a Care Expertise System for the Elderly in the Community / Community Health Care / Information System, Nursing Information System **Q Publications Q Research Portal** 

nutjaree.je@wu.ac.th Expertise Clinical Chemistry / Molecular Genetics of Cardiovascular Disease Q Publications Q Research Portal



chaiwat.bo@wu.ac.th

Expertise Animal Physiology / Animal Cell Culture / Diplomat of Thai Board of Veterinary Medicine

Q Publications Q Research Portal

Bacterial Infection / Melioidosis / Expertise Viral Infections / Cellular and Molecular Immunology / Application of Herbal and Food Extracts for Health Benefits Q Publications Q Research Portal

kwiyada@wu.ac.th





Expertise Secondary Metabolism and Biosynthesis / Antimicrobial Natural Products / Chemical Biology of Bioactive

amit.ja@mail.wu.ac.th

Molecules



sakan.wa@wu.ac.th

Expertise Natural Product Chemistry / Chemical Analysis (HPLC, LC-MS / MS, NMR) / Drug Delivery System / Oxidative stress / Anti-adipogenesis mechanism

Q Publications Q Research Portal



apsorn.sa@wu.ac.th

Medical Biochemistry / Clinical Chemistry / Biochemistry of Cancer and Degenerative Diseases / Alternative Medicin

Q Publications Q Research Portal



chuchard.pu@wu.ac.th

Expertise Tropical Medicine / Pathology and Pathogenesis of Malaria

Q Publications Q Research Portal





cwarang@wu.ac.th

Expertise

Clinical Chemistry / Biological of Cancer / Balancing Immune System / Biological Activities of the Herbs in Inhibiting Cancer and Inflammation

Q Publications Q Research Portal





udomsak.na@wu.ac.th

Expertise Tropical Medicine / Epidemiology /

Biostatistics and Mathematical Modelling

Q Publications Q Research Portal





ksupapor@wu.ac.th

Expertise

Systemic Toxicity / Molecular Mechanism of Toxicity, Heavy Metal Toxicology / Evaluation of Biomarkers Related to Public Health / Health Risk Assessment in Public Health

Q Publications Q Research Portal



Dockina

prapaporn.ch@wu.ac.th

Expertise Phytochemical / A Test on Biological Activities of the Herbs / Molecular





nnaiyana@hotmail.com

Expertise Community Nursing / Caring for Patients with Chronic Conditions / Community Health Care System Development / Public Policy Process

Q Publications Q Research Portal





Expertise Pharmaceutical Technology / Drug Delivery System / Cosmetic Sciences







poonsit.hi@mail.wu.ac.th

Cellular and Molecular Immunology / Immunopathology, Immunopharmacology, and Immunotoxicology of Natural Products / Free Radicals and Antioxidants in Medicine

Technologies Q Publications Q Research Portal

Expertise

yunyong.pu@wu.ac.th

Neural Engineering and

Neuroscience / Assistive

Rehabilitation / Brain-Computer Interface / Applied

mullica.jn@gmail.com

Animal Behaviour e.g. guppies, Expertise Siamese fighting fish, fiddler crabs / Coral and reef fish ecology, and reef restoration / Marine sensor network / Biostatistics and applied statistic on denaue fever

Q Publications Q Research Portal



Expertise Bayesian Reasoning / Explainable Artificial Intelligence / Causality in Machine Learning / Complex Event Processing

bukhoree.sa@mail.wu.ac.th

Publications Q Research Portal

apirak.pa@mail.wu.ac.th

Expertise Physical Chemistry / Computational Chemistry

**Q** Publications **Q** Research Portal



naparat.st@mail.wu.ac.th

Expertise Wildlife Conversation / Forestry / Landscape Ecology

/ GIS / Remote Sensing

Q Publications Q Research Portal



jomsuwanno@gmail.com Symptom Management in Expertise

Patients with Chronic Symptoms / Medical Care of Elderly People with Acute Illnesses in Hospitals

Publications Q Research Portal



tuempong@gmail.com Expertise

Animal Breeding and Reproductive Systems / Animal Innovations / Animal Diseases and One Health / Animal Biotechnology / Animal Behavior

Q Publications Q Research Portal







Q Research Portal





penchom.ja@wu.ac.th

Expertise Medical Parasitology /
Molecular Parasitology and

Medical Parasitology /
Molecular Parasitology and
Genetic Engineering
Techniques / Epidemiology
and Data Analysis

Q Publications Q Research Portal





Q Publications Q Research Portal







# School/College

College of Graduate Studies, Walailak University

# **Discipline**Science and Technology

Instruction

English as a medium of instruction

#### Degree Level

#### **Doctoral Degree**

#### Degree Title

Doctor of Philosophy Program in Agriculture and Food Science

#### Program Highlight

- It is an integrated program in both agricultural production and processing to add value to agricultural products at the industrial level
- The teaching and learning process follow the UKPSF framework that focuses on the development of students' skills in analytical and synthetic thinking, as well as the ability to conduct independent research, with a system to closely and regularly track the progress of thesis work. This ensures that students can complete their studies within the specified time period.
- Teachers and personnel are highly qualified, have specialized knowledge, and cooperate with external networks, including both public and private agencies within and beyond the country.
- Students have access to a modern laboratory equipped with comprehensive scientific instruments for research in agriculture and food science as well as raw material resources including plants, animals, and aquatic animals that are important sources of food to use for research.

#### Career Path

- Lecturers, researchers, scientists, academicians, and government officials in government and private institutions both domestic and abroad
- Academic advisors and research advisors in agriculture and food science in government and private institutions both domestic and abroad
- Postdoctoral researchers
- · Entrepreneurs in the agriculture and food industries

#### Program Coordinator



Prof. Dr. Manat Chaijan Email: cmanat@wu.ac.th Tel: (+66) 7567 2316

Tuition Fee (THB per semester)

• 36,000 THB. per semester

#### Degree Level

#### **Master Degree**

#### Degree Title

#### Master of Science Program in Agriculture and Food Science

#### Program Highlight

- This is an integrated program in both agricultural production and processing to add value to agricultural products at the industrial level.
- The teaching and learning process follow the UKPSF framework that focuses on the development of students' skills in analytical and synthetic thinking, as well as the ability to conduct independent research, with a system to closely and regularly track the progress of thesis work. This ensures that students can complete their studies within the specified time period.
- Lecturers and personnel are highly qualified, have specialized knowledge, and cooperate with external networks, including both public and private agencies within and beyond the country.
- Students have access to a modern laboratory equipped with comprehensive scientific instruments for research in agriculture and food science.

#### Career Path

- Teachers, researchers, scientists, academicians, and government officials in government and private institutions both domestic and abroad
- Academic advisors and research advisors in agriculture and food science in government and private institutions both domestic and abroad
- . Entrepreneurs in the agriculture and food industries

#### Program Coordinator



Prof. Dr. Manat Chaijan Email: cmanat@wu.ac.th Tel: (+66) 7567 2316

Tuition Fee (THB per semester)

· 32,000 THB, per semester



Doctoral Master





nnarumol@wu.ac.th

Food Microbiology of Essential Expertise Oils for Safety in Food and Packaging / Food Product Development / Food Sanitation

Q Publications Q Research Portal



Expertise MeSeafood Chemistry and Technology / Meat Science and Technology / Food **Proteins** 

Prof. Dr. Manat Chaijan

cmanat@wu.ac.th

pworawan@wu.ac.th

/ Functional Ingredients in

Expertise Chemistry of Fats and Oils /

Q Publications Q Research Portal

Q Publications Q Research Portal

Doctoral Master

Doctoral Master



iwarin@wu.ac.th Biological Plant Disease Expertise Management / Safe Plant Production / Ecology of Plant Pathogens / Induction of Mutations in Microorganisms by Irradiation Q Publications Q Research Portal















pensiri.ka@mail.wu.ac.th

Expertise

Culinary Science / Meat Science and Technology / Food Product Development / Food Chemistry

Q Publications Q Research Portal



Expertise Ruminant Nutrition / Animal Production

Q Publications Q Research Portal



athakorn.pr@wu.ac.th

Growing Plants in Hydroponic Expertise Systems / Plant Physiology / Appropriate Agriculture / Integrated Pest Management

**Q Publications Q Research Portal** 



#### Asst. Prof. Dr. Warangkana Kitpipit

warangkana.ki@mail.wu.ac.th

Expertise Principles of Experimental Planning / Applied Animal Science Research / Animal Genetic Evaluation and Animal

Q Publications Q Research Portal







krittika.ka@wu.ac.th

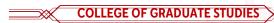
Expertise

Animal Nutrition / Functional Foods from Livestock / Animal Production

Doctoral Master

Q Publications Q Research Portal







# School/College

College of Graduate Studies, Walailak University

## **Discipline**

Social Science

### Instruction

English as a medium of instruction

#### Degree Level

#### **Doctoral Degree**

Degree Title

Doctor of Philosophy Program in Management (International Program)

Program Highlight

Doctor of Philosophy Program in Management (International Program) is teaching and learning that focuses on enabling students to conduct research to create new and international quality knowledge by teaching and writing a thesis in English that can develop policy research that can guide society and determine policies that are important for social development. The economy and the country include developing students to be able to analyze, criticize and discuss various issues related to management and to be able to choose research methods or develop knowledge to correct, reduce weaknesses or enhance the competitive advantage of the relevant sectors and importantly, this course focuses on students taking advantage of Big Data and Artificial Intelligence in making decisions effectively, together with having faculty who are full-time instructors in the program who have empirical work in developing research that can be used for policy and commercial use, which has been accepted by various agencies. This gives instructors or thesis supervisors experience in conducting policy research that is used in decisionmaking and driving economic and social development and has the potential to support students in learning from actual situations.

Career Path Academics, professors, researchers, private businesses, and executives in government and private organizations, both in the general business sector, logistics business, hotel and service business, and financial business including consultants to government agencies and the private sector

Program Coordinator



Asst. Prof. Dr. Pankeawta Lakkanawanit Email: Ipankaew@mail.wu.ac.th Tel: (+66) 7567 6930

Tuition Fee (THB per semester)

- 112,500 THB. per semester for Thai student
- 150,000 THB. per semester for International student

#### Degree Level

#### **Master Degree**

Degree Title

Master of Management Program in Managemen

Program Highlight Master of Management Program in Management (International Program) is organizing teaching and learning that focuses on enabling students to analyze and criticize and discuss various issues related to management and can choose to use methods of research or knowledge development to correct weaknesses or enhance competitive advantages of related sectors. Learners can choose to study in areas related to their careers or aptitudes, such as general management, entrepreneurship, logistics management, accounting and finance, tourism and services, and elderly care management, and most importantly, this course focuses on students taking advantage of the Big Data System and Artificial Intelligence to make decisions effectively. In addition, some of the faculty members who are course instructors have graduated from abroad in Europe. Therefore, teaching and learning will be based on European teaching methods.

Career Path Academics, professors, researchers, private businesses, and executives in government and private organizations, both in the general business sector, logistics business, hotel and service business, and financial business including consultants to government agencies and the private sector

Program Coordinator



Asst. Prof. Dr. Trairong Swatdikun Email: trairong.sw@mail.wu.ac.th Tel: (+66) 7567 6938

Tuition Fee (THB per semester)

- 82,500 THB. per semester for Thai student
- 120,000 THB. per semester for International student









Expertise

Marketing and Customer Behavior Q Publications QResearch Portal

QResearch Portal

siwarit@gmail.com

Consumption Studies and Consumer

Behavior / Branding: Brand Community, Corporate Branding, Destination Branding, Brand Engagement / Value

Co-Creation and Collaboration Network

Q Publications QResearch Portal



Asst. Prof. Dr. Pairote Nualnoom npairote@mail.wu.ac.th Sustainable Consumer Behavior / Expertise Consumer and Producer Adaptation

Q Publications







conanong64@gmail.com

Expertise Tourism Planning and Tourism Resource Development / Impact of Climate Change on Tourism / Nature Interpretation

Q Publications Q Research Portal



Doctoral Master





jsomjint@gmail.com



Human Resource Management / Organizational Management /

Leadership

Q Publications Q Research Portal





Expertise

trairong.sw@mail.wu.ac.th Antecedent and Consequences of Risk Management / Corporate Governance and Firm Value / Disrupting

Management Accounting in Digital Economy

Q Publications Research Portal





panidachamchang@gmail.com

Expertise

Mathematical Modeling and Optimization / Transportation and Distribution Management / Inventory Management / Empirical Research in Operations Management

Q Publications Q Research Portal



Asst. Prof. Dr. Pornpen Thippayana

th.pornpen@gmail.com

Expertise

Capital Structures in ASEAN Stock Markets / Corporate Finance / Financial Feasibility / Property Real Estate Valuation

Q Publications QResearch Portal





shubhampathak@gmail.com

Expertise Business Management / Logistics and Supply Chain Management / Disaster Recovery / Sustainable Development

Q Publications Q Research Portal



Expertise

putthiporn.th@mail.wu.ac.th

Artificial Intelligence / Machine Learning / Data Mining

Q Publications QResearch Portal









somjai.nupueng@gmail.com

Expertise Agricultural Economics / Environmental Economics / Environmental Policies / Global Value Chains

Q Publications Q Research Portal







bchonlak@wu.ac.th

Financial Economics / Public Expertise Economics / Energy Economics / International Economics / Sufficiency Economy Philosophy

Q Publications QResearch Portal











**COLLEGE OF GRADUATE STUDIES** 



# **VISION**

EXCELLENCE IN LANGUAGE AND TEACHING, SOURCE OF WISDOM IN LEARNING SCIENCE, INTEGRATED SCIENCE, ARTS AND CULTURE TO THE WORLD







School/College
School of Education and Liberal Arts

Discipline
Social Science
Instruction
English as a medium of instruction

#### **Degree Level**

#### **Doctoral Degree**

#### Degree Title

Doctor of Philosophy Program in Health Sciences (International Program

#### **Program Highlight**

The Doctor of Philosophy Program in Liberal Arts (International Program) at Walailak University is a transdisciplinary program. This degree provides students with the fundamental skills needed for a wide array of career paths, including creative and critical thinking, analytical skills, independent research, and work skills in a highly dynamic, multicultural and interdisciplinary environment. This is a research program that each student is given the opportunity to expand on his or her skills and educational foundation through a variety of courses unique to the specialty, such as the arts and humanities, social sciences, and area studies. Although the degree is broad, it is designed for students to develop advanced skills in carrying out independent research in the specific area of study and working closely with the supervisor.

#### Career Path

- Researchers / Scholars / Professors at Prestigious Higher Education Institutions
- Public Sector Administrators, Private Sector Executives, and International Organization Managers
- Post-Doctoral Researchers
- Businesspersons / Entrepreneurs

#### Program Coordinator



Asst. Prof. Dr. Wararat Whanchit Email: wwararat@mail.wu.ac.th Tel: (+66) 7567 2020

#### Tuition Fee (THB per semester)

- 112,500 THB. per semester for Thai student
- 150,000 THB. per semester for International student







Expertise English Language Teaching / Education / Educational Technology

Q Publications Q Research Portal



#### Asst. Prof. Dr. Siriporn Somboonburan

ssiripor@mail.wu.ac.th

Expertise Applied Anthropology / Asian Studies / Ethnography / Ethnic

Groups / Cultural Studies

Q Publications Q Research Portal



#### Asst. Prof. Dr. Thanapas Detphawuttikul

dthanapas@gmail.com

Expertise Southeast Asian Studies / Intellectual History / Thai-Myanmar Studies / International Studies

Q Publications



Expertise Critical Language Pedagogy /
Gender and Language /
Teacher Education /
Oualitative Research

Q Publications Q Research Portal



#### Assoc. Prof. Dr. Wirut Thinnakorn

wirut.arch@gmail.com

Expertise Cultural Heritage / Cultural

Landscape / Vernacular Architecture / Urban Design

Q Publications Q Research Portal



#### Asst. Prof. Dr. Chuleerat Kongruang

chuleerat73@gmail.com

Expertise Feasibility Analysis / International Trade and Investment / Production and Marketing of Fruits / Energy and Environment

Q Publications Q Research Portal



#### Asst. Prof. Dr. Wararat Whanchit

wwararat@mail.wu.ac.th

Expertise Applied Linguistics / English Language Teaching

Q Publications Q Research Portal



#### Asst. Prof. Dr. Patcharee Imsri

ipatchar@wu.ac.th

Expertise English Learning and Teaching ,
Community-Based Education

Q Publications Q Research Portal







pairinxu@gmail.com

Expertise Chinese Literature / Teaching Chinese as a Foreign Language

Q Publications Q Research Portal

Dr. Katematu Duangmanee

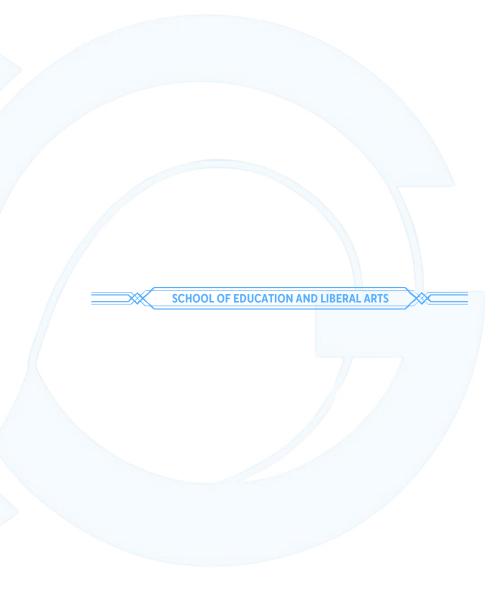
katematu.du@mail.wu.ac.th

katematu.du@maii.wu.ac.tii

Expertise Chinese Language and Culture / Teaching Chinese as a Second Languages / Linguistic and Applied Linguistics

Q Publications Q Research Portal





# SCHOO ENGINEERING AND TECHNOLOGY

# **VISION**

- BEING AN ENGINEERING EXCELLENCE
- TOPPING IN GRADUATE PRODUCTION
- INNOVATING AND BRINGING IT TO THE WORLD







# School/College

School of Engineering and Technology

# Discipline

Science and Technology **Instruction** 

English as a medium of instruction

### Degree Level

### **Doctoral Degree**

### Degree Title

Doctor of Philosophy Program in Engineering (International Program)

### Program Highlight

Our distinguished faculty members in the Engineering and Technology School work together in the Doctor of Philosophy Program in Engineering (International Program) at Walailak University. A wide range of engineering and technology disciplines are available. Proficient researchers in the field of Engineering and Technology with the capacity to conduct profound and novel research will be generated by means of the UKPSF being integrated into the program's teaching and learning procedure. Students from both Thai and other countries who want to experience cross-cultural learning will find the campus's living and learning atmosphere to be an amazing opportunity.

### Career Path

- Engineers
- ResearchersLecturers

### Program Coordinator



Assoc. Prof. Dr. Wipawee Dechapanya Email: khamwipawee@gmail.com Tel: (+66) 7567 2334

### Tuition Fee (THB per semester)

- 135,000 THB. per semester for Thai student
- 172,500 THB. per semester for International student

### Degree Level (

### **Master Degree**

### Degree Title

Master of Engineering Program in Engineering (International Program)

### Program Highlight

The Master of Engineering Program (International Program) at Walailak University collaborates among our notable academic members from the Engineering and Technology School. The program offers comprehensive specialization in engineering and technology. The goal of the program is to produce proficient researchers in the field of Engineering and Technology who possess the ability to undertake noteworthy and innovative research. The strong relationship of academic staffs with both industries and government agencies would ensure multiplicity in research areas. The campus's living and studying environment is an incredible opportunity for students from Thailand and other nations who wish to engage in cross-cultural learning.

### Career Path

- Engineers
- Researchers
- Lecturers

### Program Coordinator



Assoc. Prof. Dr. Wipawee Dechapanya Email: khamwipawee@gmail.com Tel: (+66) 7567 2334

### Tuition Fee (THB per semester)

- 105,000 THB. per semester for Thai student
- 142,500 THB. per semester for International student



















Assoc. Prof. Dr. Thanongsak Imjai thanongsak.im@wu.ac.th Expertise Concrete Structures / Advanced Composite Materials / Repair and Structural Assessment / Construction Innovation / Earthquake Engineering and Seismic / Upgrading Structures / Finite Element for Concrete Structures / Fracture Mechanics.

O Publications Q Research Portal

chidentree.tr@wu.ac.th

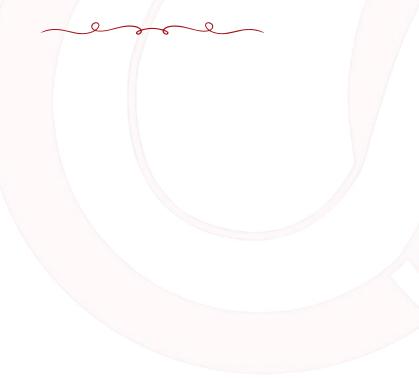
Robotics and Automation

Q Publications Q Research Portal

System / Artificial Intelligence

Expertise Control Engineering /





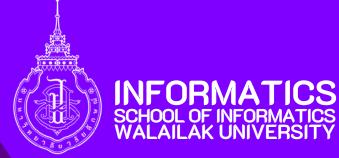




**VISION** 

TO BE THE LEADER IN INTERNATIONAL DIGITAL INNOVATION







# School/College School of Informatics

# Discipline Science and Technology Instruction English as a medium of instruction

### Degree Level

### **Doctoral Degree**

**Degree Title** 

Doctor of Philosophy Program in Management of Information Technology Innovation (International Program)

Program Highlight The Doctor of Philosophy Program in Management of Information Technology Innovation (International Program) emphasizes research in Information Technology Management, fostering the creation of globally relevant knowledge. Through English instruction and thesis composition, students develop skills to address management issues in IT, utilizing Big Data and Artificial Intelligence for effective decision-making. Faculty with practical experience in policy-driven research guide students, facilitating their ability to contribute to economic and social progress in the IT sector.

### Career Path

- Lecturers, researchers, scientists, academicians, and government officials in government and private institutions both domestic and abroad
- Academic advisors and research advisors in information technology in government and private institutions both domestic and abroad
- Postdoctoral researchers

Program Coordinator



Dr. Chanankorn Jandaeng Email: chanankorn.ja@st.wu.ac.th Tel: (+66) 7567 2293

Tuition Fee (THB per semester)

- 135,000 THB. per semester for Thai student
- 172,500 THB. per semester for International student

### Degree Level

### **Master Degree**

**Degree Title** 

Master of Science Program in Management of Information Technology Innovation (International Program)

Program Highlight

The Master Program in Management of Information Technology Innovation (International Program) emphasizes research in Information Technology Management, fostering the creation of globally relevant knowledge. Through English instruction and thesis composition, students develop skills to address management issues in IT, utilizing Big Data and Artificial Intelligence for effective decision-making. Faculty with practical experience in policy-driven research guide students, facilitating their ability to contribute to economic and social progress in the IT sector.

Career Path The Master's in Management of Information Technology program caters to a diverse array of professionals, including lecturers, researchers, scientists, academicians, and government officials from both domestic and international government and private institutions. It also provides academic and research guidance to individuals working in information technology in both public and private sectors, domestically and internationally.

Program Coordinator



Dr. Chanankorn Jandaeng Email: chanankorn.ja@st.wu.ac.th Tel: (+66) 7567 2293

Tuition Fee (THB per semester)

- 105,000 THB. per semester for Thai student
- 142,500 THB. per semester for International student





Asst. Prof. Dr. Chaowanan Khundam

chaowanan.kh@wu.ac.th

Expertise Virtual Reality / Augmented Reality / Human Computer

Interaction

Q Publications Q Research Portal







Knowledge Discovery / Text Mining / Machine Learning

Q Publications Q Research Portal



### Asst. Prof. Dr. Peeravit Koad

peeravit.ko@wu.ac.th Expertise Artificial Intelligence and

> Machine Learning (AI/ML) / Statistical Data Analysis /

Geoinformatics

Q Publications Q Research Portal





### Asst. Prof. Dr. Charlee Kaewrat

charlee.ke@wu.ac.th Application of Augmented Reality Technology / Designing and Developing Applications on

Smartphones / Game Design and Development

Q Publications Q Research Portal



### Dr. Chanankorn Jandaeng

 $\vee$ chanankorn.ja@wu.ac.th

Expertise Computer Network System / Computer and Network Security / Resource Constraint Computing / Data Science

Q Publications Q Research Portal





### Dr. Sasithorn Rattanarungrot

rsasitho@wu.ac.th

Expertise Web Services / Mobile Web Services / Location Based Services / Wireless GIS / Geographic Information System / Mobile Applications / Mobile Programming / Web Services Compression Frameworks

Q Publications Q Research Portal



 $\vee$ 

### Dr. Sirirat Somchuea

### sirirat.sm@wu.ac.th

Expertise Ecoinformatics and Ecotourism / Smart System and Internet of Things (IoT) / Statistical Data Analysis / Artificial Intelligence and Machine Learning (AI/ML)









# **VISION**

THE SCHOOL OF PHARMACY, WALAILAK UNIVERSITY, IS TO PRODUCED ETHICAL, PUBLIC-SPIRITED PHARMACISTS WITH THE BEST PROFESSIONAL COMPETENCY AND INTEGRITY TO SERVE THE PUBLIC



School/College
School of Pharmacy

Discipline
Health Sciences
Instruction

English as a medium of instruction

### Degree Level

### **Doctoral Degree**

### Degree Title

# Doctor of Philosophy Program in Drug and Cosmetic Innovation (International Program)

### Program Highlight

- Doctor of Philosophy Program in Drug and Cosmetic Innovation (International Program) applies European model to ensure students' graduation within 3-4 years.
- Academic staff apply UK Professional Standard Framework (UKPSF) in teaching and supporting students.
- There are varieties of research topics about industry potentials in Drug and Cosmetic Innovations for students to choose
- The program provides well-equipped laboratories for R&D in Drug and Cosmetics.

### Career Path

- Scientist
- Researcher
- · Postdoctoral researcher
- · Pharmacist with expertise
- Entrepreneur

### Program Coordinator



Assoc. Prof. Dr. Somchai Sawatdee Email: somchai.sa@wu.ac.th Tel: (+66) 7567 2818

Tuition Fee (THB per semester)

- . 150,000 THB. per semester for Thai student
- . 187,500 THB. per semester for International student

### Degree Level (

### **Master Degree**

### Degree Title

## Master of Science Program in Drug and Cosmetic Innovation (International Program)

### Program Highlight

- Master of Science Program in Drug and Cosmetic Innovation (International Program) applies European model to ensure students' graduation within 1-2 years.
- Academic staff apply UK Professional Standard Framework (UKPSF) in teaching and supporting students.
- There are varieties of research topics about industry potentials in Drug and Cosmetic Innovations for students to choose.
- The program provides well-equipped laboratories for R&D in Drug and Cosmetics.

# Career

- Scientist
- Researcher
- Pharmacist with expertise
- Entrepreneur

### Program Coordinator



### Assoc. Prof. Dr. Somchai Sawatdee Email: somchai.sa@wu.ac.th

Tuition Fee (THB per semester)

. 135,000 THB. per semester for Thai student

Tel: (+66) 7567 2818

• 172,500 THB. per semester for International student





# Asst. Prof. Dr. Boonsong Wungsintaweekul

boonsong.wu@wu.ac.th Phytochemistry / Plant Tissue Culture / Pharmaceutical Botany / Thai Traditional Medicine / Bio-Assay

Q Publications Q Research Portal







amit.ja@mail.wu.ac.th Expertise Secondary Metabolism and Biosynthesis / Antimicrobial Natural Products / Chemical Biology of Bioactive Molecules

Q Publications Q Research Portal

thunwa.bi@wu..ac.th





Doctoral Master

Expertise

### Asst. Prof. Dr. Apichart Atipairin

Q Publications Q Research Portal

Asst. Prof. Dr. Pajaree Sakdiset

pajaree.sa@wu.ac.th

Transdermal and Dermal Drug

Delivery Systems / Liposomes and Nanocarriers / Cosmetics and Herbal Extracts for Skin Application

apichart.at@mail.wu.ac.th

Expertise Antimicrobial Peptide Research / Formulation Development of Peptide Drugs

Q Publications Q Research Portal





### Asst. Prof. Dr. Aruna Prasopthum



aruna.pr@mail.wu.ac.th

3D (Bio) Printing and Expertise Regenerative Medicine / Biomaterials / Bone and Cartilage Tissue Engineering / Novel Drug **Delivery Systems** 

Q Publications Q Research Portal





### Dr. Nuttapon Songnaka



nuttapon.so@wu.ac.th

Drug Discovery of Antimicrobial Expertise Agents for Antimicrobial Resistance / Pharmaceutical Quality Control / Pharmaceutical Microbiology / Bacterial Strain Improvement / Proteins and Peptides Purification

Q Publications Q Research Portal







Dr. Thunwa Binlateh







### Assoc. Prof. Dr. Gorawit Yusakul

gorawit.yu@wu.ac.th

Expertise Green Extraction and Preparation of Phytochemical and Functional Ingredients / Standardization Procedure of Herbal Extracts

Publications Q Research Portal





### Asst. Prof. Dr. Chaweewan Klongsiriwet

kchaweew@wu.ac.th

Expertise

Phytochemistry of Natural Products / Pharmacological Assay of Natural Products / Clinical Pharmacognosy of Herbal Medicine Products

Q Publications Q Research Portal





### Asst. Prof. Dr. Nuttikarn Nokkaew

nuttikarn.no@wu.ac.th

Expertise Oxidative Stress / Cell and Molecular Biology / Experimental Animal Study / Cell Culture Technique (In Vitro Study)

Q Publications Q Research Portal





### Asst. Prof. Dr. Namfa Sermkaew



namfa.se@wu.ac.th

Expertise

Pharmaceutical Technology / Oral Drug Delivery Systems / Pharmaceutical Quality Control / Drug Delivery Systems of Drug Compounds, Anti-Microbial Agent, Microbes, Natural Products

Q Publications Q Research Portal





Doctoral Master

Assoc. Prof. Dr. Somchai Sawatdee

Expertise

somchai086@hotmail.com Pulmonary Drug Delivery System and Aerosol Sciences / Pharmaceutical Technology

and Industrial / Physical Pharmacy

Q Publications Q Research Portal



Assoc. Prof. Dr. Chutima Jantarat

Expertise

Pharmaceutical Chemistry / Pharmaceutical Analysis / Bioanalysis for Pharmaceuticals / Drug Delivery System / Molecularly Imprinted Polymers and Biomaterials for Pharmaceuticals

chutima.ja@wu.ac.th

Q Publications Q Research Portal



Asst. Prof. Dr. Tan Suwandecha

tan.su@wu.ac.th

Expertise Pharmaceutical Technology / Drug Delivery Systems / Pulmonary Drug Delivery System / Pharmacokinetics

Q Publications Q Research Portal

Doctoral Master



Asst. Prof. Dr. Thipapun Plyduang

thipapun.pl@wu.ac.th

Expertise

Pharmaceutical Technology / Drug Delivery Systems / Cosmetic Sciences





Pharmaceutical Chemistry and Expertise Natural Products / Essential Oil, GCMS (Headspace Technique) / Anti-Cellulite Model / Cell

culture 3T3-L1 / Clinical Trial Q Publications Q Research Portal



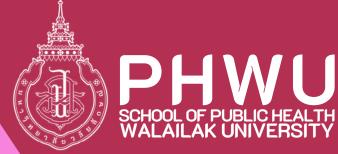
SCHOOL OF PHARMACY



# **VISION**

NATIONAL LEADING PUBLIC HEALTH INSTITUTION IN TEACHING MANAGEMENT AND INTERNALTIONAL STANDARD RESEARCH







# School/College

School of Public Health

# **Discipline**

Science and Technology

### Instruction

English as a medium of instruction

### Degree Level

### **Doctoral Degree**

**Degree Title** 

Doctor of Philosophy Program in Health, Environment, and

Program Highlight

The Doctor of Philosophy Program in Health, Environment, and Safety is developed based on the concept of the interconnection between health, environment, and safety to produce graduates who are experts in interdisciplinary studies, capable of integrating knowledge with innovations and changes to protect human health and environment

The program's uniqueness lies in being a graduate-level program that integrates health, environment, and safety, which are crucial sciences for sustainable development both national and international levels. In terms of academic excellence, it aims to create academic staff with knowledge and skills in integrating principles of health, environment, and safety to promote health and disease prevention, reflecting the needs of employers and graduate users. The curriculum is contemporary and adaptable to changes in health, environment, and safety. The teaching and learning process focuses on the educational philosophy of Walailak University, which is "Academic Excellence with Professional Skills," aiming to develop the quality of students by promoting deep learning through active learning methods that involve students' participation. Real-world problem situations are utilized, and the teaching staff are experts in the relevant content of the curriculum, including health, environment, and safety. Teaching is conducted in both Thai and English to serve Thai and international students.

### Career Path

- · Professors and researchers in public health, environmental health, occupational health, and safety in governmental and private domestically and internationally
- Operational staff responsible for analyzing and implementing plans, policies, and systems for the benefit of health, environment, and safety.
- Qualified individuals in consulting companies specializing in analyzing the impacts on health and the environment.

**Program** Coordinator



Asst. Prof. Dr. Supabhorn Yimthiang Email: ksupapor@wu.ac.th Tel: (+66) 7567 2799

**Tuition Fee** (THB per semester)

40,000 THB per semester

Degree Level Master Degree

**Degree Title** 

Program Highlight

The Master of Science Program in Health, Environment, and Safety is developed based on the concept of the interconnection between health, environment, and safety to produce graduates who are experts in interdisciplinary studies, capable of integrating knowledge with innovations and changes to protect human health and environment.

The program's uniqueness lies in being a graduate-level program that integrates health, environment, and safety, which are crucial sciences for sustainable development both national and international levels. In terms of academic excellence, it aims to create academic staff with knowledge and skills in integrating principles of health, environment, and safety to promote health and disease prevention, reflecting the needs of employers and graduate users. The curriculum is contemporary and adaptable to changes in health, environment, and safety. The teaching and learning process focuses on the educational philosophy of Walailak University, which is "Academic Excellence with Professional Skills," aiming to develop the quality of students by promoting deep learning through active learning methods that involve students' participation. Real-world problem situations are utilized, and the teaching staff are experts in the relevant content of the curriculum, including health, environment, and safety. Teaching is conducted in both Thai and English to serve Thai and international students.

### Career Path

- · Professors and researchers in public health, environmental health, occupational health, and safety in governmental and private domestically and internationally
- · Operational staff responsible for analyzing and implementing plans, policies, and systems for the benefit of health, environment, and safety.
- Qualified individuals in consulting companies specializing in analyzing the impacts on health and the environment.

Program Coordinator





Asst. Prof. Dr. Supabhorn Yimthiang Email: ksupapor@wu.ac.th Tel: (+66) 7567 2799

34,000 THB per semester



ksupapor@wu.ac.th Heavy Metal Toxicology/

Occupational Health and

Risk Assessment /

Genotoxic Effects

















Expertise





siriluk.ve@mail.wu.ac.th Molecular Biology / Expertise Work-Related Disease / Neuropharmacology of

Substance Abuse Related to Mental Health

Q Publications Q Research Portal



hjunjira@wu.ac.th Expertise Human Factors and Acctident

Prevention / Occupational Health and Safety Management / Road Safety











wanvisa.sa@wu.ac.th
Healthy Aging /
Health Promotion /
Health Education and
Behavioral Science

Q Publications Q Research Portal

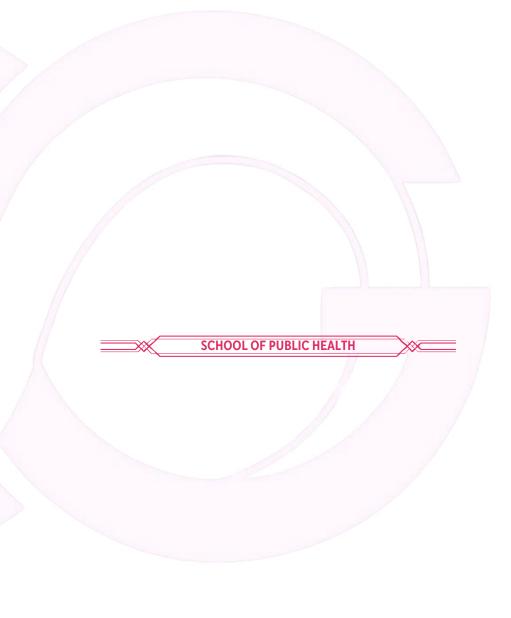




Expertise Impacts of Pesticides on Community Health / Community-Based Interventions

patthanasak.kh@wu.ac.th







# School/College

School of Public Health

# **Discipline** Health Sciences

Instruction

English as a medium of instruction

### Degree Level

### **Doctoral Degree**

### **Degree Title**

Doctor of Philosophy Program in Public Health Research (International Program)

### **Program** Hiahliaht

The Doctor of Philosophy in Public Health Research (PHR.) is a new international program (2021 BE) designed to produce Public Health Innovators with expertise in research leading to the creation of social innovations addressing public health issues. The program is unique in Thailand and the southern region as it offers graduate-level research in public health. The key feature of this program is its focus on producing Public Health Innovators, reflecting the crucial role of public health as a bridge between science and society, cultivating researchers skilled in generating social innovations to address the healthcare challenges of the population. This involves integrated problem-solving approaches, stakeholder engagement, mixed methods research, and the study of local and international public

The teaching and learning processes aim to develop the quality of doctoral students, both Thai and international, by promoting deep learning through mixed methods research, active learning, and problem-based learning, encouraging the design of theses based on Social Innovation concept to create Public Health Innovations. The program is conducted in English, aligning with the United Kingdom Professional Standard Framework (UKPSF). The lecturer of the PHR. program are from various disciplines within the School of Public Health, School of Medicine, School of Pharmacy, and School of Nursing contribute to the multidisciplinary approach of the curriculum

### Career Path

- Innovators
- Public health professionals
- Researchers
- Faculty members
- Academics

### **Program** Coordinator



Assoc. Prof. Dr. Charuai Suwanbamrung Email: yincharuai@gmail.com Tel: (+66) 7567 2714

**Tuition Fee** (THB per semester)

- 150,000 THB. per semester for Thai student
- · 187,500 THB. per semester for International student

### Degree Level Master Degree

### **Degree Title**

### Program Highlight

Master of Public Health Program in Public Health Research (International program) is a new course (2020 BE) to produce a expertise who implementing health innovation leading for solving public health problems, international publication skill, and have leadership in academic and health professions. The program is the first of third program in Thailand and the southern region that is open to teaching at the graduate level in public health research (International program). Conducting program in online and onsite with English language. The program produces researcher who applying public health innovators for solving public health problems, integrated stakeholders participation, multidisciplinary, mixed-methods research design, solving public health problems at the nation and international level, and international publication. Teaching and learning management process both Thai and foreign are focusing to improve the quality master student promoting the active learning concept based on context of student, and United Kingdom Professional Standard Framework (URPSF), All lecturers are experts of multidisciplinary from School of Public Health, School of Medicine, School of Pharmacy, and School of Nursing.

### Career Path

- Researchers
- Faculty members
- Practitioners
- Professionals

### Program Coordinator

**Tuition Fee** 

(THB per

semester)



Assoc. Prof. Dr. Charuai Suwanbamrung Email: yincharuai@gmail.com Tel: (+66) 7567 2714

- 135,000 THB. per semester for Thai student
  - 172,500 THB. per semester for International student



### Assoc. Prof. Dr. Nirachon Chutipattana



nirachon.ch@wu.ac.th

Expertise

Managerial competency / Leadership

cua.le@wu.ac.th

Doctoral Master

Q Publications Q Research Portal















phiman.th@wu.ac.th Public Health Emergency Management / Health Impact Assessment / CBDRM / Health Risk Assessment / Informal

Q Publications Q Research Portal



Q Publications Q Research Portal





Alcohol Epidemiology / Health System Research









# **VISION**

SCHOOL OF SCIENCE CONDUCTS OUR TEACHING UP TO AN INTERNATIONAL STANDARD, PRODUCING COMPETITIVE GRADUATES WITH GREAT MORAL, FULL OF A BODY OF KNOWLEDGE AND INNOVATION IN SCIENCE AND TECHNOLOGY



School/College School of Science

Discipline

Science and Technology

Instruction

English as a medium of instruction

### Degree Level

### **Doctoral Degree**

### **Degree Title**

Doctor of Philosophy Program in Science (International Program)

### Program Highlight

The Doctor of Philosophy Program in Science (International Program) at Walailak University is a unique cooperation among our renowned life science departments. It offers a wide range of areas of specialization in Science and Technology. The main objective of the program is to produce and train highly-skilled researchers in the field of Science and Technology with an ability to conduct in-depth research. The Ph.D. in Science Program offers an excellence opportunity for students who wish to pursue advanced studies in Science in close cooperation with local and international agencies. It is ideal for Thai and international students who are interested in oversea studies and cross cultural learning.

### Career Path

- Scientist
- Researchers
- Lecturers

### Program Coordinator



Assoc. Prof. Dr. Mullica Jaroensutasinee Email: mullica.jn@gmail.com Tel: (+66) 7567 2977

### Tuition Fee (THB per semester)

- 135,000 THB. per semester for Thai student
- 172,500THB. per semester for International student

### Degree Level

### **Master Degree**

### **Degree Title**

Master of Science Program in Science (International Program)

### Program Highlight

The Master of Science Program (International Program) at Walailak University is a unique cooperation among our renowned life science departments. It offers a wide range of areas of specialization in Science and Technology.Self-study, investigation and research in various current topics in science with appropriate principles and research methodology will be conducted under the supervision of the thesis advisory committee.

### Career Path

- Scientist
- Researchers
- Lecturers

### Program Coordinator



Assoc. Prof. Dr. Mullica Jaroensutasinee Email: mullica.jn@gmail.com Tel: (+66) 7567 2977

### Tuition Fee (THB per semester)

- 105,000 THB. per semester for Thai student
- 142,500THB. per semester for International student





### k.jaroensutasinee@gmail.com

Coral Sensor Network, Expertise Machine Learning, Al. IoT,Smart Agriculture, Drone Mapping, Big Data

Analytics

Q Publications Q Research Portal

# Dr. Korkhwan Termprayoon

Doctoral Master

apsorkorkhwan.te@wu.ac.th

Expertise taxonomy and Systematics of Reptiles.





mnisoa@gmail.com

Microwave heating, plasma sources and applications for agriculture

Q Publications Q Research Portal



### Assoc. Prof. Dr. Chitnarong Sirisathitkul



chitnarong.siri@gmail.com

Expertise Magnetic Materials,

Composites and Nanostructures

Q Publications Q Research Portal





a.cirrus@gmail.com

ecologyMeteorology and Expertise oceanography

Q Publications Q Research Portal



# Assoc. Prof. Dr. Punsiri Dam-o Adamczyk



punsiri.pla@gmail.com

Expertise Physics Education





Q Publications Q Research Portal



Asst. Prof. Dr. Sampart Cheedket



sampart@gmail.com

Physics of electromagnetic wave and application



### Assoc. Prof. Dr. Phongpichit Channuie



channuie@gmail.com

Expertise Cosmology and high energy

physics

Q Publications Q Research Portal







Q Publications Q Research Portal









Doctoral Master



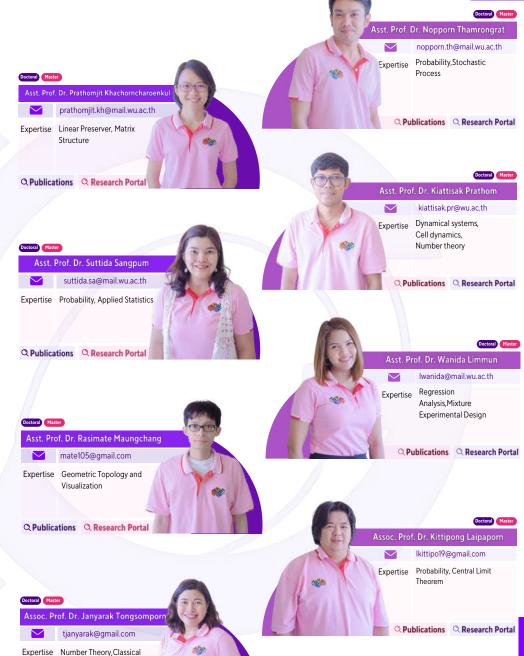












Analysis (Stability of Functional Equations)



### Dr. Takol Tangphati



takol.ta@wu.ac.th

Expertise Modified gravity theories, Neutron/quark stars, Black holes, Wormholes

Q Publications Q Research Portal



Expertise

Sound absorption measurement, air pycnometer, creating the prototype physics laboratory, physics video analysis

thammarong.ea@wu.ac.th

Q Publications Q Research Portal



### Assoc. Prof. Dr. Bundit Unyong



bundit.un@wu.ac.th

Expertise

Mathematical Model, Epidemic Model and Applications, Mathematical Analysis, Teaching techniques for secondary and higher education mathematics

Q Publications Q Research Portal



Expertise

tanachat.ek@wu.ac.th

Photoemission spectroscopy, Rare-earth-free permanent magnets, Biomaterials, 2D materials

○ Publications ○ Research Portal



### Asst. Prof. Dr. Upsorn Boonyang



apsorupsorn.bo@mail.wu.ac.th

Expertise

- Synthesis and modification of Biomaterials; Hydroxy/Fluoro Apatite and sol-gel derived Bioactive Glass for biomedical application
- Porous materials with hierarchical porosit by using polymer or surfactant porous material for environmental application



Q Publications Q Research Portal



Assoc. Prof. Dr. Sanae Rujivan

rsanaeg@gmail.com

Mathematical Finance. Stochastic Modeling, Parameter Estimation

Q Publications Q Research Portal



### Asst. Prof. Dr. Kotchaphan Kanjana



kotchaphan.kn@mail.wu.ac.th

Expertise

Chemical kinetics of fast reactions / Corrosion and deterioration of nuclear materials/ Improving the functional groups and properties of biomass / based carbon materials as components of energy storage materials.

Q Publications Q Research Portal





p.jitjankarn@gmail.com

Transformation Semigroups, Coding Theory





Doctoral Maste

Doctoral Master

### Asst. Prof. Dr. Parawee Rattanakit



parawee.ra@mail.wu.ac.th



- Expertise -Miniaturized flow system
  - -Biosensor
  - -Environmental analysis



Q Publications Q Research Portal







cmontra@yahoo.com

Expertise

Adsorption and thermodynamic studies for dyeing of textileswith natural dyes/Structural modification of natural dves and/or surface modification of fibers for improving the dye uptake onto fibers/ Biosorption of dye removal from textile effluents using low cost absorbents

Q Publications Q Research Portal





Doctoral Master



apirak.pa@mail.wu.ac.th

Hydration structure and dynamics of ions in aqueous solution by QM/MM MD simulations / Theoretical study of molecular structures of metal oxide complexes / Molecular interactions of protein-substrate complexes

Q Publications Q Research Portal





### Asst. Prof. Dr. Sujittra Poorahong



Sujittra.po@mail.wu.ac.th

Expertise -Electrochemical sensors and biosensors

- -Electrocatalyst for water splitting
- -Nanomaterials -2D and 3D materials

Q Publications Q Research Portal







piyaluk.nu@mail.wu.ac.th

expertise

-Development of sample preparation techniques and chemical sensors for the analysis of trace organic contaminants

Q Publications Q Research Portal



### Asst. Prof. Dr. Cholpisut Tantapakul



cholpisut.ta@mail.wu.ac.th

Expertise -Natural Products Chemistry -Biological Activity

> (Antioxidant, Antibacterial, Alpha-Glucosidase Inhibition)

Q Publications Q Research Portal











narongrit.so@wu.ac.th

Expertise

- Synthesis of porous materials including mesoporous and microporous zeolites and carbon-based materials - Surface functionalization of porous
- materials for heterogeneous catalysis, the development of antibacterial products, and the removal of heavy metals.
- Q Publications Q Research Portal







theanchai.wi@wu.ac.th - Metal-organic frameworks

(MOFs): design, synthesis, and crystal structure - MOF-based fluorescent sensor for environmental, agricultural, and medical monitoring.





samonsak@wu.ac.th

Expertise Fishery biology and restoration, coastal ecosystems

Q Publications

Q Research Portal



### Dr. Arreerat Jiamprasertboon

 $\mathbf{Y}$ 

arreerat.ji@wu.ac.th

Expertise

Advanced functional inorganic materials chemistry: the design of new functional materials and establish the structure-property relationship / Photocatalysts for applications in environmental remediation, such as deNOx, organic dyes decomposition, and antibiotics neutralization, and energy conversion, such as H2 production via photocatalytic or photoelectrochemical water splitting / Thin film preparation for self-cleaning and transparent conductive surfaces

Q Publications

Q Research Portal







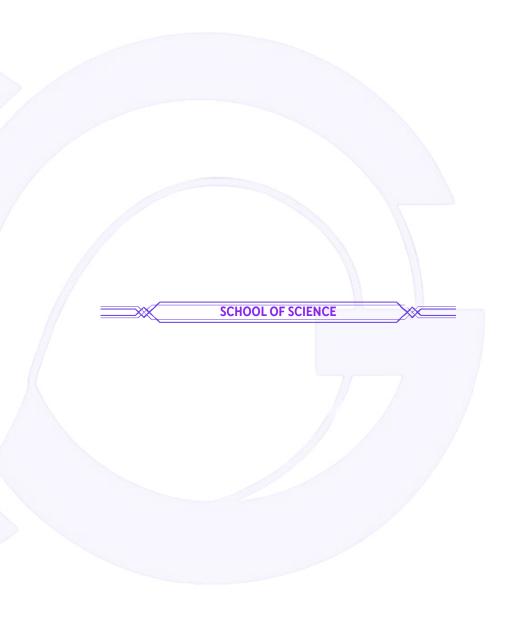
rjantira@gmail.com

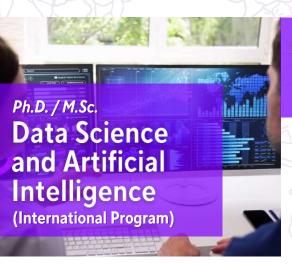
Geographic Information Systems, Remote Sensing, Environmental Impact Assessment

**Q** Publications

Q Research Portal







School/College

School of Science

**Discipline** 

Science and Technology

Instruction

English as a medium of instruction

### Degree Level (

### **Doctoral Degree**

### **Degree Title**

Doctor of Philosophy in Data Science and Artificial Intelligence (International Program)

### Program Highlight

Doctor of Philosophy Program in Data Science and Artificial Intelligence (International Program) equips students to be a future leader in the field. They will delve into cutting-edge applications like Machine Learning in finance, Deep Learning in science, and Al-powered E-learning. Moreover, the program emphasizes not just technical expertise but also responsible research conduct, ethical considerations, and the ability to translate complex knowledge into clear communication for various audiences.

### Career Path

- Data Scientist
- Entrepreneurs
- Researchers
- Lecturers
- Experts in Data Science and Artificial Intelligence or a related field

### Program Coordinator



Assoc. Prof. Dr. Sanae Rujivan Email: rsanae@wu.ac.th Tel: (+66) 7567 2048

### Tuition Fee (THB per semester)

- 135,000 THB. per semester for Thai student
- 172,500THB. per semester for International student

### Degree Level

### **Master Degree**

### **Degree Title**

Doctor of Philosophy in Data Science and Artificial Intelligence (International Program)

### Program Highlight

This international Master's program equips you with the theoretical foundation and practical skills to navigate the big data of Industry 4.0. You'll gain expertise in Data Science and AI, machine learning applications in various fields (banking, healthcare, e-learning, natural science), and ethical considerations based on Sufficiency Economy philosophy. By program end, you'll be prepared to develop impactful solutions and potentially publish internationally recognized research.

### Career Path

- Data Scientist
- Entrepreneurs
- Researchers
- Lecturers
- Experts in Data Science and Artificial Intelligence or a related field

### Program Coordinator



Assoc. Prof. Dr. Sanae Rujivan Email: rsanae@wu.ac.th Tel: (+66) 7567 2048

### Tuition Fee (THB per semester)

- 105.000 THB, per semester for Thai student
- 142,500THB. per semester for International student















rsanaeg@gmail.com Mathematical Finance, Expertise Stochastic Modeling. Parameter Estimation

Q Publications Q Research Portal



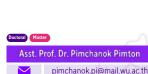
mullica.jn@gmail.com Animal Behavior, Dengue Prediction, Coral Reef Ecology, Terrestrial Ecology, Smart Agricutlure

Q Publications Q Research Portal



wsrnaod@gmail.com plant diversity, plant Expertise morphology, pollen morphology, plant anatomy, molecular phylogeny Q Publications Q Research Portal





Asst. Prof. Dr. Pakpimol Ungcharoenwiwat

Expertise Microbial enzymes and

Q Publications Q Research Portal

plant

pakpimol.un@mail.wu.ac.th

applications, antimicrobial activity from medicinal

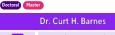
Expertise Embryonic Stem Cell Differentiation

Q Publications Q Research Portal



Doctoral Master





curt.ba@wu.ac.th

Expertise animal behavior, ecology, and conservation

Q Publications Q Research Portal



# Doctoral Master

### Dr. Korkhwan Termprayoon

apsorkorkhwan.te@wu.ac.th

Expertise Taxonomy and Systematics of Reptiles.

Q Publications Q Research Portal





Assoc. Prof. Dr. Punsiri Dam-o Adamczyk

punsiri.pla@gmail.com

Expertise Physics Education







Assoc. Prof. Dr. Phitchayapak Wintachai

sanwinta@gmail.com Molecular Virology,

> Antimicrobial Drug Discovery, Bacteriophage

Q Publications Q Research Portal



jiratthi.satthaphorn@gmail.com

Plant systematics, molecular phylogeny, palynology and plant diversity



Assoc. Prof. Dr. Mudtorlep Nisoa

mnisoa@gmail.com

Microwave heating, plasma sources and applications for agriculture

Q Publications Q Research Portal

Doctoral Master



a.cirrus@gmail.com

Ecology, Meteorology and Oceanography

Q Publications Q Research Portal





takol.ta@wu.ac.th

Expertise Modified gravity theories,

holes. Wormholes







Asst. Prof. Dr. Sampart Cheedket

sampart@gmail.com

Physics of electromagnetic wave and application

Q Publications Q Research Portal

Expertise

Doctoral Master

Mathematical Model, Epidemic Model and Applications, Mathematical Analysis, Teaching techniques for secondary and higher education mathematics

Assoc, Prof. Dr. Bundit Unyong bundit.un@wu.ac.th

Q Publications Q Research Portal



thammarong.ea@wu.ac.th Sound absorption Expertise measurement, air pycnometer, creating the prototype physics laboratory, physics video analysis

Q Publications Q Research Portal



Asst. Prof. Dr. Kotchaphan Kanjana

Q Publications Q Research Portal

kotchaphan.kn@mail.wu.ac.th

by using polymer or surfactant porous material for environmental application

Expertise

Chemical kinetics of fast reactions /Corrosion and deterioration of nuclear materials/ Improving the functional groups and properties of biomass/ based carbon materials as components of energy storage

Q Publications Q Research Portal





tanachat.ek@wu.ac.th

Photoemission spectroscopy, Rare-earth-free permanent magnets, Biomaterials, 2D materials

Q Publications Q Research Portal





p.jitjankarn@gmail.com

Transformation Semigroups, Coding Theory

Q Publications Q Research Portal



### Asst. Prof. Dr. Amonsak Sawusdee



samonsak@wu.ac.th

Expertise

Fishery biology and restoration, coastal ecosystems







Doctoral Master



theanchai.wi@wu.ac.th

- Metal-organic frameworks (MOFs): design, synthesis, and crystal structure - MOF-based fluorescent sensor for environmental, agricultural, and

**Q Publications Q Research Portal** 



and the removal of heavy metals.

Doctoral Master

Expertise

Q Publications Q Research Portal

Dr. Narongrit Sosa

narongrit.so@wu.ac.th

mesoporous and microporous zeolites and carbon-based materials

- Surface functionalization of porous

development of antibacterial products,



Expertise

cmontra@yahoo.com

Adsorption and thermodynamic studies for dyeing of textileswith natural dyes/Structural modification of natural dyes and/or surface modification of fibers for improving the dye uptake onto fibers/ Biosorption of dye removal from textile effluents using low cost absorbents

Q Publications Q Research Portal



Expertise

Asst. Prof. Dr. Parawee Rattanakit

parawee.ra@mail.wu.ac.th

Expertise -Miniaturized flow system -Biosensor

-Environmental analysis

Q Publications Q Research Portal



apirak.pa@mail.wu.ac.th

Hydration structure and dynamics of

Doctoral Master

ions in aqueous solution by QM/MM MD simulations / Theoretical study of molecular structures of metal oxide complexes / Molecular interactions of protein-substrate complexes

Q Publications Q Research Portal



Asst. Prof. Dr. Piyaluk Nurerk

piyaluk.nu@mail.wu.ac.th

Development of sample Expertise

preparation techniques and chemical sensors for the analysis of trace organic contaminants.

Q Publications Q Research Portal





Asst. Prof. Dr. Sujittra Poorahong



Sujittra.po@mail.wu.ac.th -Electrochemical sensors and



biosensors -Electrocatalyst for water splitting

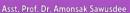
-Nanomaterials

-2D and 3D materials









samonsak@wu.ac.th

Expertise Fishery biology and restoration, coastal ecosystems

Q Publications Q Research Portal

Master

### Asst. Prof. Jantira Rattanarat

rjantira@gmail.com

Expertise Geographic Information Systems, Remote Sensing, Environmental Impact

Assessment

Q Publications Q Research Porta

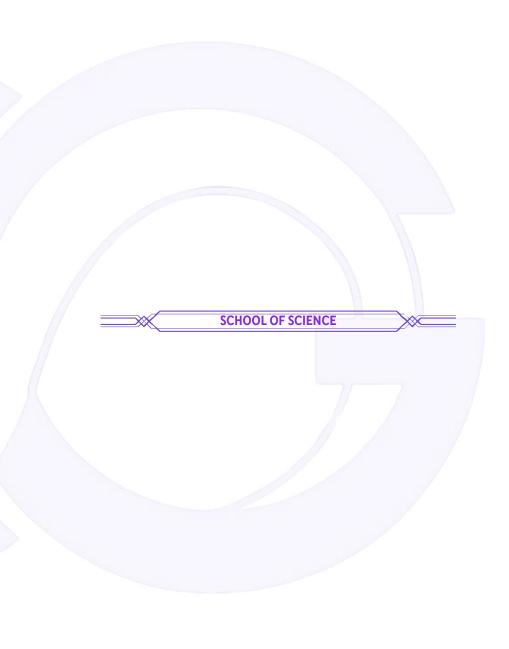


### Dr. Arreerat Jiamprasertboon

arreerat.ji@wu.ac.th

Advanced functional inorganic materials chemistry / Photocatalysts for applications in environmental remediation, such as deNOx, organic dyes decomposition, and antibiotics neutralization, and energy conversion, such as H2 production via photocatalytic or photoelectrochemical water splitting / Thin film preparation for self-cleaning and transparent conductive surfaces







Editor-in-chief: Associate Professor Dr.Phongpichit Channuie Dean of College of Graduate Studies, Walailak University

School of Pharmacy School of Public Health

School of Science

Manager: Dr.Somruethai Bouyam

Contributors: School of Education and Liberal Arts

School of Engineering and Technology

School of Informatics

Layout & Design /Proofreader:

Supansa Keawjaijong Nattaphon Tahae

Bunyisa Bamrung

CGS office:

The 3rd floor, red zone, AD 3410, Architecture and Design Building, Walailak University

222 Thaiburi, Thasala, Nakhon Si Thammarat, THAILAND 80160

Scan for an electronic version >>

