

FACULTY

Prof. Avishek Datta

Professor of Agricultural Systems and Engineering
-Research areas include- Sustainable crop and water management, climate-smart agriculture, regenerative agriculture, and climate change adaptation and food security.

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Prof. Anil K. Anal

Professor of Food Innovation, Nutrition and Health
-Research areas include- Green tech, smart and sustainable food processing, alternative proteins, synbio and precision fermentation, bioactive delivery, antimicrobial resistance, and food safety.

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Prof. Rajendra P. Shrestha

Professor of Natural Resources Management
-Research areas include- Human dimension of land-use change, climate impact, land degradation, environmental sustainability, and geoinformatics.

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Prof. Nophea Sasaki

Professor of Natural Resources Management -
Research areas include- REDD+, forest carbon monitoring, sustainable forest management, green technovation, carbon projects, biodiversity, and impact investment.

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Dr. Takuji W. Tsusaka

Associate Professor of Natural Resources Management
-Research areas include- Agricultural and natural resource economics, poverty reduction, technology adoption, gender in agriculture, and spatial econometrics.

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Dr. Loc Thai Nguyen

Associate Professor of Food Engineering and Bioprocess Technology
-Research areas include- Food processing technologies, mathematical modeling of foods and food processes, food safety application, and food waste recycling and utilization.

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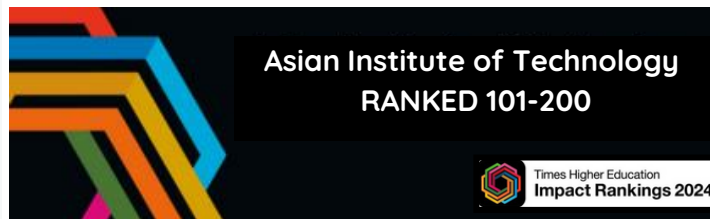
Why DFANR?



Our graduates find placements in several sectors, including academia, government agencies, industries, non-governmental organizations, and entrepreneurship.

Turn your Passion into Purpose at DFANR

- Global Faculty Expertise
- International Collaboration and Partnerships
- State-of-the-Art Facilities and Resources
- Pioneering Research
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ASIAN INSTITUTE OF TECHNOLOGY
School of Environment, Resources and Development



Department of Food, Agriculture and Natural Resources (DFANR)



Food



Agriculture



Natural Resources



<https://ait.ac.th/department/department-of-food-agriculture-and-natural-resources/>

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About us

DFANR positions itself as a global leader in sustainable agriculture and natural resource management, driving innovative solutions for food security and ecosystem resilience. The department addresses key challenges like meeting food and nutritional needs, increasing sustainable production while balancing ecosystems, enhancing climate change resilience, managing natural resource competition, ensuring food safety by reducing chemical residues, and developing innovative technologies for a bio-based economy.

Academic Programs at DFANR

★ Agribusiness Management (ABM)

This program focuses on sustainable processes to boost the performance of agricultural enterprises in the global market.

★ Agricultural Systems and Engineering (ASE)

This program specializes in managing biological and agricultural systems and natural resources, with a focus on Agricultural Systems and Agricultural Engineering.

★ Aquaculture and Aquatic Resources Management (AARM)

This program focuses on intensive aquaculture systems with specialization in Aquatic Resources Ecosystem Management, Sustainable Aquaculture and more.

★ Food Engineering and Bioprocess Technology (FEBT)

This program specializes on understanding, processing, and converting food and biological materials into sustainable, safe, and healthy products.

★ Food Innovation, Nutrition and Health (FINH)

This program is designed to tackle critical, overlooked challenges by optimizing resource use, integrating food security, and ensuring nutritious food and gastronomy for better health.

★ Natural Resources Management (NRM)

This program trains students in sustainable resource use, forest carbon accounting, ecosystem service valuation, NRM economics, and modern geospatial technologies.

We Offer

Masters Degree

2-Year / 4 SEMESTERS/ M.Sc./ M. Engg./ 48 CREDITS

- Regular Thesis / (with minor)
- Master of Philosophy 1-Year
- 2 SEMESTERS / 30 CREDITS (One-year Master)

Doctoral Degree

- Complete coursework with CGPA 3.25+
- Pass advancement to candidacy examination
- Publish one paper in the approved journal
- Pass external examiner reviews and final examination

Flexible Degree

A new alternative to our traditional "On-campus Master/ Doctoral" options to conduct studies at AIT. Students can do almost all coursework online via AIT's Hybrid Mode of Instruction.



Join US

✓ ELIGIBILITY

- Degree in agricultural science, engineering, aquaculture, biology, life science, social science, fisheries science, and/or other related disciplines
- Degree from an institution of recognized standing

✓ APPLICATION

We have two intakes in **January** and **August**. For specific deadlines, please visit our website at <https://ait.ac.th/apply-online/>.

✓ SCHOLARSHIPS AND FINANCIAL AID

- HM the King's Scholarship (Doctoral Program)
- HM the Queen's Scholarship
- GMS Scholarship
- ADB-Japan Scholarship
- President Robert B. Banks Scholarship
- Royal Thai Government Fellowship
- AIT Scholarship, and
- Many Other Scholarships from Private and Public sectors

Website : <https://ait.ac.th/financial-aid/>

Dr. Krishna R. Salin

Associate Professor of Aquaculture and Aquatic Resources Management -**Research areas include-** Cleaner aquaculture systems, aquaculture-environment interactions, aquaculture for enhanced productivity, sustainable intensification, and innovative hatchery techniques.

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Dr. Ram C. Bhujel

Research Associate Professor of Aquaculture and Aquatic Resources Management and Director of Aqua Center -**Research areas include-** Aquaculture nutrition and feed management, industry linkages, biostatistics, tilapia farming, and capacity building.

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Dr. Ha Thanh Dong

Assistant Professor of Aquaculture and Aquatic Resources Management -**Research areas include-** Aquatic animal health, disease diagnostics, aquaculture vaccines, aquatic microbiology, and antibiotic alternatives.

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Dr. Sushil Kumar Himanshu

Assistant Professor of Agricultural Systems and Engineering -**Research areas include-** Precision agriculture, cropping system modeling, agricultural IoT and drones, irrigation management, AI and big data in agriculture, remote sensing, and GIS applications.

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Dr. Muhammad Yaseen

Assistant Professor of Agribusiness Management - **Research areas include-** Agricultural economics and policy, sustainable agri-food value chains, agricultural marketing, climate-smart agriculture, and technology adoption.

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