



**King Mongkut's University of Technology Thonburi**  
**Job Announcement: Researcher in Pilot Plant Development and Training Institute**

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King Mongkut's University of Technology Thonburi (KMUTT) is seeking qualified individuals for the following academic position

**1. Position and Qualifications**

**Position:** Researcher                      8 Positions

**General Qualifications**

- 1.1 Must have an English proficiency test score of at least IELTS 5.5, TOEFL iBT 61, or TETET Level 5. Applicants who submit valid test scores will be given special consideration. Alternatively, the test score may be submitted within one year after employment.
- 1.2 Must have at least 2 years of relevant work experience.

**Position-Specific Qualifications**

**Agricultural and Functional Food Processing Laboratory (AFP)**

- 1.3 Must hold a doctoral degree in Biochemical Technology.
- 1.4 Must have expertise in research on bioactive compound extraction, production of bioactive peptides using enzymatic processes, functional food product development, enhancement of bioactive compounds through fermentation technology, and studies on anti-type 2 diabetes and antihypertensive activities.

**Enzyme Technology Laboratory (ENZ)**

- 1.5 Must hold a doctoral degree in Biochemical Technology.
- 1.6 Must have expertise in research on converting agricultural waste into high-value bioproducts using enzymatic methods.

**Center for Agricultural Systems Biology (CASB)**

- 1.7 Must hold a doctoral degree in Biochemical Engineering.
- 1.8 Must have expertise in bioinformatics, including a strong understanding of high-throughput sequencing data analysis and the ability to effectively apply appropriate tools and technologies, particularly for microbiome data analysis from target genes and shotgun metagenomic data.

**Sensor Biotechnology (SST)**

- 1.9 Must hold a doctoral degree in Biotechnology.
- 1.10 Must have expertise in research on DNA- and immunosensors, including paper-based point-of-care testing (POCT).
- 1.11 Must have expertise in the design and development of biosensors with high sensitivity and specificity for disease diagnostics.
- 1.12 Must have experience in developing paper-based diagnostic devices that are user-friendly, cost-effective, and provide rapid results.

**Lipid Technology Research Laboratory (LIP)**

- 1.13 Must hold a doctoral degree in Biochemical Technology.
- 1.14 Must have expertise in lipid and lipid-based bioactive compound extraction and lipid technology.

**Excellent Center of Waste Utilization and Management (ECoWaste)**

- 1.15 Must hold a doctoral degree in Environmental Technology.
- 1.16 Must have expertise in research on anaerobic biofilm applications to enhance methane production efficiency from high-salinity wastewater.
- 1.17 Must have experience in anaerobic granulation processes for efficient methane production from agricultural and food industry wastewater.
- 1.18 Must be proficient in Fluorescence In Situ Hybridization (FISH), including both conventional and HCR techniques, for microbial identification and analysis in anaerobic systems.

**Clean Energy System Integration (CESi)**

- 1.19 Must hold a doctoral degree in Interdisciplinary Engineering Science.
- 1.20 Must have expertise in electrical energy engineering, with a focus on solar photovoltaic (PV) systems, energy storage systems, and energy management within smart grids.
- 1.21 Must have experience in experimental data analysis and model development using MATLAB and AI for forecasting, control, and integration of IoT systems in renewable energy and smart systems research.

**Clean Energy System Integration (CESi)**

- 1.22 Must hold a doctoral degree in Mechanical Engineering.
- 1.23 Must have expertise and research experience in renewable energy, particularly wind and hydro turbines, using Computational Fluid Dynamics (CFD) for flow and performance analysis, including unsteady flow simulations.

1.24 Must have experience in using Large Eddy Simulation (LES) to study turbulence characteristics.

## **2. Salary and Benefits**

2.1 Salary Doctoral degree: THB 42,800/month

2.2 Benefits include:

- Provident fund (8%)
- Medical benefits for employee, spouse, and children
- Severance pays and compensation
- Childcare subsidy
- Education benefits for children to study at KMUTT
- Housing welfare
- Annual health check-up
- Accident insurance
- Royal Decoration
- Fitness facilities
- Funeral assistance

## **3. Duties and Responsibilities**

Conduct systematic research activities encompassing proposal development, research planning and design, implementation, data collection, analysis, and reporting. This includes publishing research outputs in academic journals and conference proceedings at both national and international levels, as well as generating income to support research through funded projects, academic services, and commercial activities.

## **4. Application Process**

Applications must be **submitted online from 28 April 2026 – 12 May 2026**.

## **5. Conditions of Application**

- 5.1 Applicants may submit only **one online application** for this recruitment.
- 5.2 Applicants must possess qualifications as specified in Section 1 by the application closing date, **12 May 2026**.
- 5.3 Applicants are responsible for ensuring their eligibility and must submit all required documents accurately. In case of false or incomplete information or ineligible qualifications, KMUTT reserves the right to disqualify the applicant without refund.
- 5.4 Online applications are considered legally signed under the Electronic Transactions Act B.E. 2544 (2001), amended by (No. 2) B.E. 2551 (2008). Providing false information may result in legal penalties.

## **6. Announcement of Eligible Applicants**

The list of eligible applicants will be announced on the website

<https://hrm.kmutt.ac.th/career-kmutt.php>

## **7. Criteria and Procedures for Selection**

- 7.1 Preliminary qualification screening and/or
- 7.2 Suitability Assessment for the Position (100 points)

## **8. Selection Criteria and Methods**

- 8.1 Only applicants who pass the preliminary screening will proceed to the suitability assessment.
- 8.2 Candidates must achieve a minimum score of 70 points in the suitability assessment for the position to pass.
- 8.3 The announcement of the list of successful candidates will be made by ranking candidates in descending order based on their total scores. If two or more candidates obtain the same total score, the candidate with the higher score in the suitability assessment for the position shall be given a higher rank. If the scores in the suitability assessment are also identical, the candidate with the higher score in the skill test and/or practical ability test shall be given a higher rank. Should the scores remain tied, the candidate with the earlier examination registration number shall be given precedence in ranking.

## **9. University Employment Hiring Process**

- 9.1 After the interview, successful candidates will be notified to undergo a medical check-up at Bangpakok 1 Hospital. The university will cover all related expenses. Medical results will be used for probationary appointment consideration.
- 9.2 Selected candidates must report to the university within the specified period. Failure to do so will be considered a withdrawal of the application and the offer will be forfeited.

Announced on 24<sup>th</sup> April 2026

(Kongkarn Vachirapanang Ph.D.)  
Vice President for Human Resources  
for the President  
King Mongkut's University of Technology Thonburi

Application



<https://kmutt.me/kmuttapplication>