

Call for applicants
Master and PhD scholarships at JGSEE

JOIN OUR RESEARCH IN

Bioenergy & Biofuels

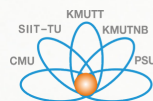
Programs study

- PhD in Sustainable Energy Systems
- MEng/MSc in Energy Technology and Management

Message to applicants

Biomass is an important renewable energy resource for Thailand. Biomass, including wood and agricultural wastes, has been used as single or secondary fuel for energy generation in form of heat and power in industrial boilers and power plants. Biomass can also be converted into high quality solid and liquid fuels. Efficient biomass utilization for energy production has been one of the focused research directions at the Advanced Fuel Processing Laboratory (AFPL) during the past decade. AFPL works in close collaboration with industry to develop the technological solution and innovation to increase the competitiveness of Thai energy industry. AFPL is also equipped with a full range of standard fuel analysis devices and bench-scale/pilot-scale devices especially designed for fuel testing under industrial conditions.

AFPL welcomes applicants with the first degree in science or engineering, a strong interest and motivation in bioenergy, an ability to think and work independently and a good written English. Experience in solid fuel processing and related computer simulation skills are the advantage.

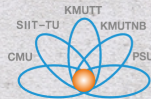


JGSEE

A decorative border at the top of the slide consisting of numerous light-brown, cylindrical wood pellets scattered across a light gray background.

Areas of research

Biomass combustion and co-firing of coal and biomass,
Biomass pretreatment, Biomass storage,
Advanced technologies for bioenergy application



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A collection of light brown, cylindrical biomass pellets scattered across the top right and bottom right of the slide. The pellets are of varying lengths and some are broken into smaller pieces.

Research topics

1. Pretreatment technology for agricultural wastes
2. Co-firing of biomass with coal in coal-fired pf boilers
3. Investigation to mitigate fouling deposition in biomass boilers
4. Investigation to minimize biomass degradation and spontaneous combustion during biomass storage
5. Improving operation and maintenance of biomass boilers using big data analysis

Scholarships

There are 2 types of scholarships:

1. Full scholarships covering school fees, tuition fees and living allowance (Master 10,000 baht/month, PhD 13,000-22,000 baht/month)
2. Partial scholarships covering school fees and tuition fees

Research grant are made available to all students as thesis expense starting since the first semester students enroll for their thesis study. The maximum amount of funding for each program is as indicated below;

- Master 135,000 baht
- PhD 290,000 baht



Contact

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