MAHASARAKHAM UNIVERSITY (MSU) INBOUND INTERNSHIP 2015

Applications can be submitted all year round.

• Open to all international students (Bachelor’s Degree, Master Degree and Doctoral Degree).
• Candidates can directly contact the respective Faculty at MSU, Thailand.
• Selection will be made by the MSU committee.

Benefit
• International students will obtain a salary of 11,000 THB/month.

Duration
• At least 2 to 5 months of internship.

Qualifications
• All educational qualifications/documents must be certified by the applicants’ respective Educational Ministry from their own country.
• Candidates are able to communicate in English.

Documents
• MSU Inbound Internship Application Form (requested by e-mail)
• A recent photo (1.5*1.5) affixed to the application form
• Scanned copy of transcript and student ID card
• Resume/CV
• Academic plan for this internship (One A4 page)
• Health insurance (purchased after receiving an acceptance letter from us)

FOR MORE INFORMATION PLEASE CONTACT

Dr. Vijitra Luang-In, E-mail: vijitra.luangin@gmail.com
The Faculty of Technology, Mahasarakham University
http://www.techno.msu.ac.th/EN/
Internships offered in the following areas of study at the Faculty of Technology

Applicants can be undergraduates and postgraduates in the below fields.

1. **Department of Food Technology & Nutrition**
   - Food Technology
   - Food Product Development

   **Research Interest(s)**
   - Rice processed products
   - Development of Rice variety
   - Nutrition values of Thai local foods
   - Anthocyanin, flavonoids, phenolic acid contents of fruits, flowers and antioxidant activity etc.

2. **Department of Biotechnology**
   - Biotechnology

   **Research Interest(s)**
   - Biofuel such as bioethanol, hydrogen from starch, glycerol and biodiesel from algae and bacteria
   - Lactic acid production from Rhizopus sp.
   - Molecular Phylogeny of insect fungi
   - Using beneficial bacteria to produce kefir from Thai rice milk
   - Bacteriocin production from lactic acid bacteria
   - Efficacy of plant extracts on mites and insects
   - EPNs and their symbiotic bacteria and its potential used as biological control agent
   - Probiotic bacteria
   - Fermentation of soy milk
   - Dairy products
   - Transformation of rice
   - Halophiles
   - Anthocyanin, flavonoids, phenolic acid contents of fruits and antioxidant activity
   - Natural products for making soaps, cosmetics components, anti-mosquitoes solutions
   - Proline biosynthetic gene expression in tissue cultures of rice (*Oryza sativa* L.) in response to saline treatment
   - Human gut microbiota
   - Microbial metabolisms of glucosinolates
   - Microbial enzyme characterization and purification
   - Antioxidants from bacterial metabolites
3. Department of Agricultural Technology
- Agricultural Technology
- Fishery Technology
- Animal Production Technology
- Animal Science

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<tr>
<th>Research Interest(s)</th>
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<tr>
<td>- Utilization of duckweed as protein source in poultry diets</td>
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<td>- Effect of the extract made from Cochinchina momordica seeds on the humoral</td>
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<td>responses of mice to a commercial foot-and-mouth disease vaccine (serotypes O</td>
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<td>and Asia 1)</td>
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<td>- Enhancement of immune responses to influenza vaccine (H3N2) by ginsenoside</td>
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<td>- Effect of dietary Inclusion of Cassava yeast as probiotic Source on egg</td>
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<td>production and egg quality of laying hens</td>
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<td>- Effect of fodder tree as fiber sources in Total Mixed Ration on feed intake</td>
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<td>nutrient digestibility, chewing behavior and ruminal fermentation in beef</td>
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<td>cattle</td>
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<td>- Effect of dietary crude protein levels on nutrient digestibility, ruminal</td>
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<td>fermentation and growth rate in Thai-indigenous yearling heifers</td>
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<td>- Milk composition analysis of bulk milk from Mahasarakham dairy co-operation</td>
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<td>during July –October 2009</td>
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<td>- Effect of Stunning Method on Stress and Oxidative Stress in Swine</td>
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<td>- The improvement of beef cattle farming in Selaphume sub-district, Rio-et</td>
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<td>province, Thailand.</td>
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<td>- Field research related to animal production in an organic system</td>
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<td>- Effects of metabolizable energy intake on meat quality of Thai native cattle</td>
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<td>- Detection of Quantitative Trait Loci marker associated with clinical mastitis</td>
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<td>in crossbred dairy cattle</td>
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<td>- Genetic Parameters Estimation of Clinical Mastitis in Crossbred Holsteins</td>
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<td>Using Linear Model and Threshold Model.</td>
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<td>- Evaluation of Metabolizable Energy of Wolffia Meal (Wollfia globosa L. Wimm.)</td>
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TRAVEL to MAHASARAKHAM, THAILAND
Flight tickets must be paid by yourself.
1) Take an international flight to Thailand **Suvarnabhumi (BKK) airport or Don Muang (DMK).**
2) Then take a local flight on Thai Airways (from BKK) or Air Asia or Nok Air (from DMK) to **Khon Kaen (KKC airport)** as a final destination where we are going to pick you up in a van upon your arrival.
3) It takes 1.30 h from KKC to Mahasarakham by car.

ACCOMMODATION
Typically it costs 3,300 – 3,500 THB per month (including water + electricity + internet bills).
Fully furnished. Five to ten minutes walk to the Faculty of Technology. You have to pay for your own laundry
10 THB per use. The dorm room look like what is in the below link. We will arrange the room for you.

ABOUT THE INTERNSHIP
- Credits of internship are transferrable if requested.
- Research (Bench) fees are paid for. You do not have to pay for anything.
- For the application process, please specify what kind of research you are interested in. We will find the staff with the same or similar interest to take you as an intern.