

## Research

The School of Science sees the development of active research programs as essential for developing the capability of its academic staff and for contributing to the national research effort. It fully subscribes to the Research Strategy of the University, published in September, 2005. Research on biotechnology, tea and its products, natural products (for cosmetics, food supplements, and health), biofuels, and ceramics technology is receiving attention.

Further details of specific research projects can be obtained from the School of Science section of the MFLU web site ([www.mfu.ac.th](http://www.mfu.ac.th)).

## Facilities for Teaching and Research

The School of Science has access to state-of-the-art teaching and laboratory facilities. All of the lecture rooms are equipped with up-to-date IT equipment.

The university operates a Central Services Unit for larger items of scientific equipment, for which the School of Science is the major customer.



## Vision

The vision of the School of Science is that, by becoming a key provider, it can make a substantial contribution to teaching and learning, research, and academic service in science and technology for the benefit of its customers. This requires that it develops high-quality teaching and research programs, which address national needs and priorities, and meets the requirements of the community in its academic service activities.



## Mission

The mission of the School of Science over the medium term (five to eight years) is to become a consumer-oriented unit which promotes excellence in research in key areas of science, demonstrates evidence of high-quality teaching and learning in an environment informed by internationally-important research, and makes significant contributions to the economic, social, and cultural development of the North of Thailand, Thailand as a whole, and the Greater Mekong Sub-region, and elsewhere.

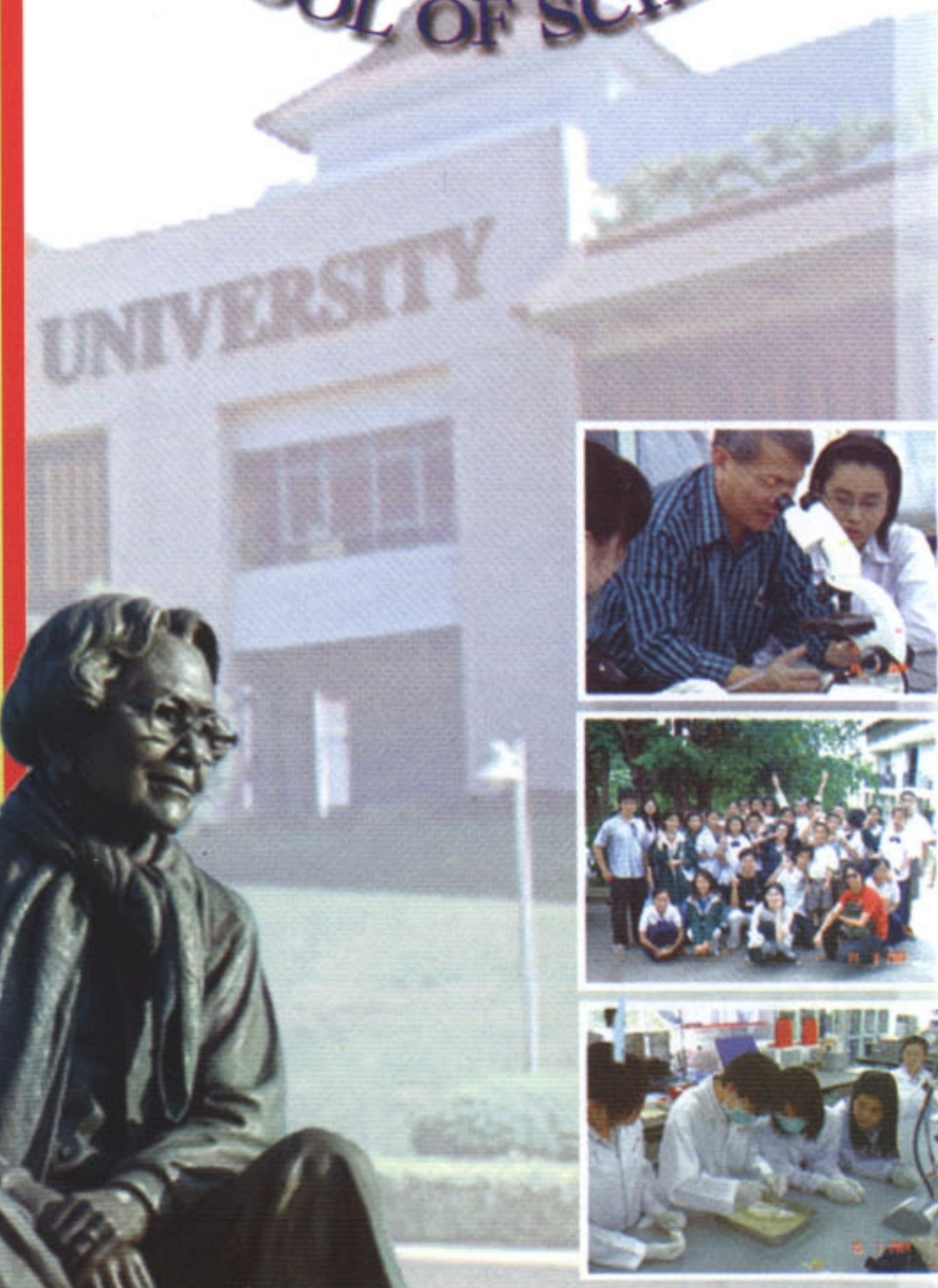


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**Mae Fah Luang  
University**

## Background



The School of Science was established in 1999 with the first intake of students into its Bachelor of Science Degree in Biotechnology program in 2001. The first group of students graduated in February, 2006.

The School of Science is committed to developing high-quality teaching and learning, and research programs and is pursuing excellence in its staff with vigor. The School is an active participant in the university's quality assurance program and is interested in developing graduates with a high capacity to conduct relevant research to a high standard.

The School has a group of energetic, well-trained staff, most of whom have very good competence in English, a fact usually related to their graduate training overseas.

**Biotechnology**

CERAMICS

BIOSCIENCES

APPLIED CHEMISTRY

MATERIALS SCIENCE

COMPUTATIONAL SCIENCE



## International Activities

The School of Science is particularly well-placed to form strategic alliances with key overseas institutions.

Because of our strategic location in the North of Thailand, we can give collaborating institutions and donors a gateway to the GMS for research in science and technology. We are able to act as effective facilitators for regional research grant applications in appropriate areas, particularly in tea and natural products.

## Degree Programs

### Bachelor of Science

- Biosciences (with Majors in Agricultural Science, Applied Microbiology, and Biotechnology)
- Applied Chemistry (with Majors in Natural Products and Polymer Chemistry)

### Master of Science

- Applied Chemistry
- Biosciences
- Biotechnology
- Ceramic Industrial Technology
- Computational Science
- Materials Science



### Doctor of Philosophy

- Applied Chemistry
- Biosciences
- Biotechnology
- Computational Science
- Materials Science

