

CMU
CHIANG MAI UNIVERSITY



BE
FUN FUN
FUNCTIONAL
FUNDAMENTAL
TO THE FRONTIER

Faculty of Science

Chiang Mai University

คณะวิทยาศาสตร์
มหาวิทยาลัยเชียงใหม่

ABOUT SCI CMU

The Faculty of Science, as well as Chiang Mai University, was established in 1964 as one of the three original faculties.

The Faculty currently consists of 33 separate buildings which occupy a total area of 36 rai. Our mission is to produce high quality graduates in both pure and applied science disciplines that the nation as a whole and the local community need.

Our departments



8
Departments

- Chemistry
- Industrial Chemistry
- Biology
- Physics and Material Sciences
- Geology
- Mathematics
- Statistics
- Computer Science

3
Research
Centers

- Material Science Research Center (MSRC)
- Environmental Science Research Center (ESRC)
- Data Science Research Center (DSRC)

2
Service
Centers

- Science and Technology Service Center (STSC)
- Doi Suthep Nature Center (DSNC)

~ 320

Number of academic staffs, more than 95% staffs are Ph.D. degree holder.

TOP 3

We are the first top 3 universities in Thailand by several standard ranking.

STUDYING @SCI CMU

15

Bachelor's Degree Programs

Thai Programs 12

- Chemistry
- Industrial Chemistry
- Biochemistry and Biochemical Innovation
- Biology
- Zoology
- Material Sciences
- Gemology
- Geology
- Mathematics
- Statistics
- Computer Science
- Data Science

Bilingual Programs 2

- Microbiology
- Physics

International Program 1

- Environmental Science

20

Master's Degree Programs

Thai Programs 2

- Teaching Mathematics
- Applied Statistics and Analytics

Bilingual Programs 12

- Biology
- Chemistry
- Computer Science
- Mathematics
- Applied Mathematics
- Physics
- Teaching Physics
- Applied Physics
- Material Science
- Industrial Chemistry
- Environmental Science
- Innovation Science for Industry

International Program 6

- Environmental Science
- Applied Microbiology
- Geology
- Applied Geophysics
- Astronomy
- Quantum Science and Technology

18

Doctoral Degree Programs

Bilingual Programs 5

- Chemistry
- Computer Science
- Mathematics
- Material Science
- Applied Statistics

International Program 1

3

- Biology
- Applied Microbiology
- Biodiversity and Ethnobiology
- Chemistry
- Geology
- Physics
- Applied Physics
- Material Science
- Astronomy
- Industrial Chemistry and Innovation
- Environmental Science
- Nanoscience and Nanotechnology
- Quantum Science and Technology

2,531

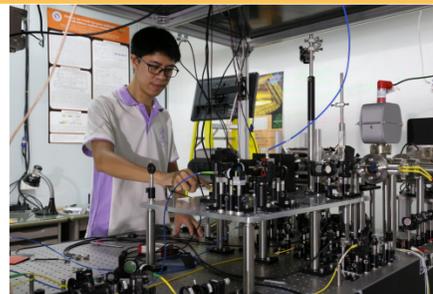
Number of Bachelor's degree students (2023)

266

Number of Master's degree students (2023)

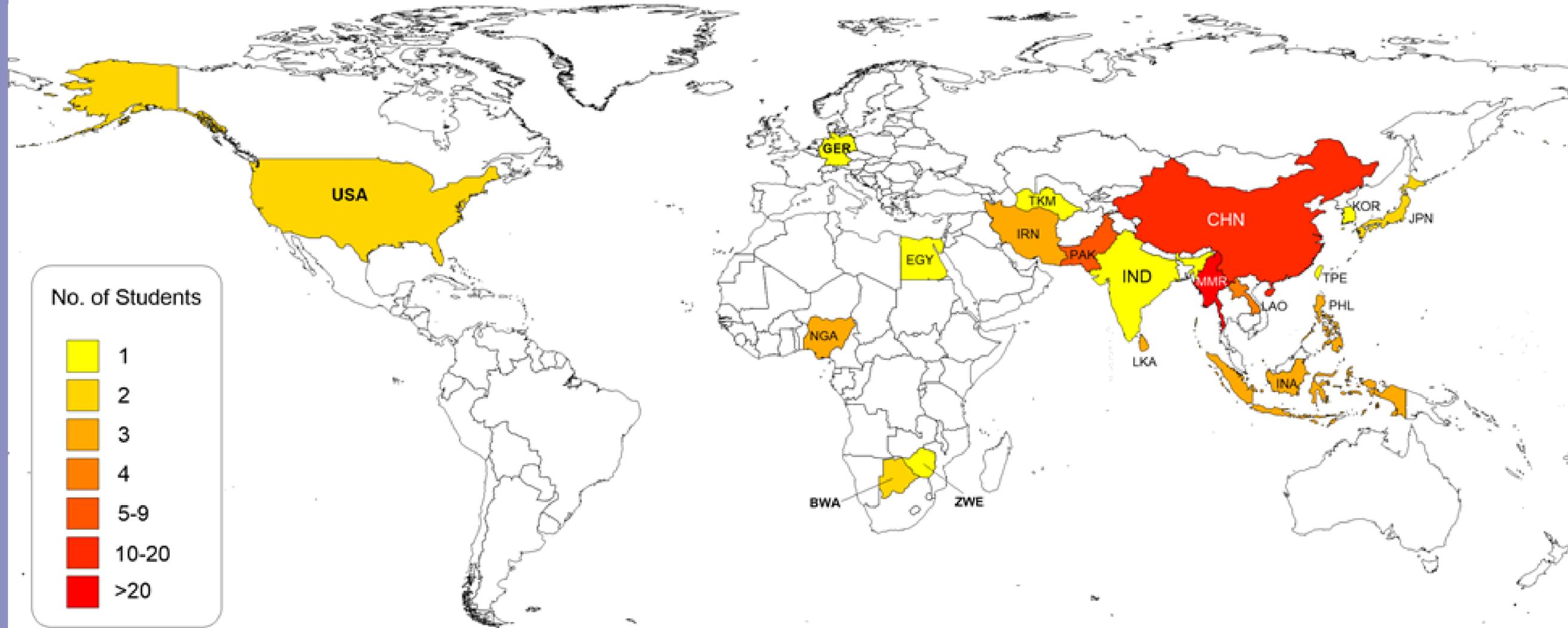
236

Number of Doctoral degree students (2023)



Number of International Students in FoS, CMU

STUDYING
@SCI
CMU



Number of
International Students
(Academic Year 2023)

111

B.Sc.
Students

48

M.Sc
Students

28

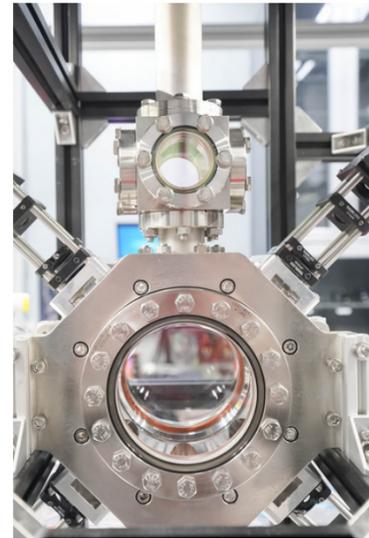
Ph.D.
Students

35

*Retrieved on 1 December 2023

RESEARCH @SCI CMU

Research Directions at FoS, CMU



Fundamental Research

We investigate the state-of-art scientific knowledge which leads to the frontier researches. We also promote high-quality publications in the international academic journals.



Targeted Research

We aim to the goals set by the government and country policy. We also follow new research trends which lead to the future research directions.



Applied and Innovation Research

We apply scientific knowledge to solve real-world problems. We also spin off the researches to innovations based on the strength fundamental science.



Outreach Research

We connect industries and users to obtain the research questions or connect the researches to users directly, which follow the sustainable development goals (SDGs).

Collaborative
Research
Centers

3



Materials Science
Research Center



Environmental Science
Research Center



Data Science
Research Center

Research Statistics at FoS, CMU

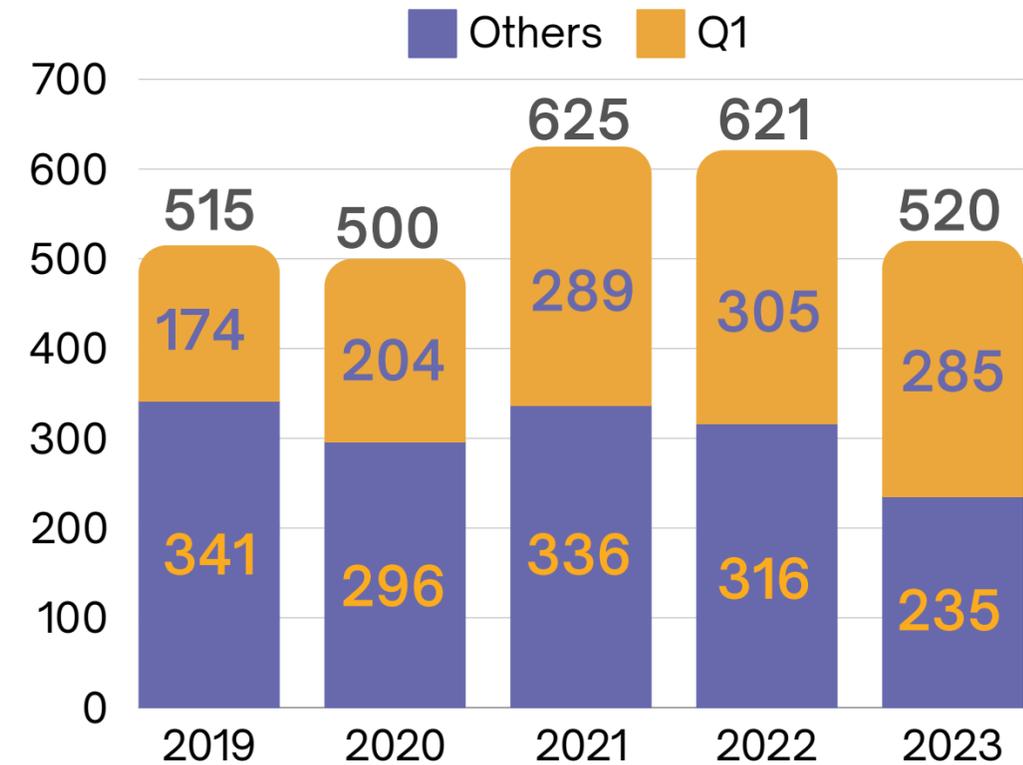
RESEARCH
@SCI
CMU

Number of Articles in SCOPUS (Year 2023) **520**

Number of Article in Q1 SCOPUS Q1 (Year 2023) **285**
(54.8%)

Ratio of article per staff **1.65**

Number of Published Article in Recent 5 years



Number of Articles by SDGs

Int. and ext. research fund in 2023

175MB

patents from 2020 - 2022

5

Proactive Research Groups supported by CMU

12

*Retrieved on 12 December 2023

RESEARCH @SCI CMU

International Collaboration



-  • Thompson Rivers University
-  • The University of North Carolina at Greensboro (MTA)
• Virginia Polytechnic Institute and State University
• Iowa State University
• The University of Wisconsin-Green Bay
-  • Schlumberger Overseas S.A.
-  • VITRI, Department of Forest Sciences, University of Helsinki
-  • Uppsala University
-  • The University of Seville
-  • Université de Liège (ULiège)
-  • University of Bremen
• Leibniz-Institut für Werkstofforientierte Technologien – IWT
-  • Department of Diagnostics and Crisis Management, Wageningen Bioveterinary Research, Wageningen University
-  • CY Cergy Paris Université
• Université Clermont Auvergne
• Université Grenoble Alpes (UGA)
• Institut polytechnique de Grenoble (Grenoble INP – UGA)
• French National Research Institute for Sustainable Development (IRD)
-  • University of Leeds
• Aston University, School of Engineering & Applied Science
• University of Essex, Faculty of Science, Department of Biology
• University of Hull
• The University of Glasgow

-  • The Future Circular Collider (FCC) Feasibility Study hosted by the European Organization for Nuclear Research (CERN)
-  • Brno University of Technology, Faculty of Mechanical Engineering, Institute of Mathematics (Erasmus+ Inter-institutional agreement Key Action 1)
• Erasmus Mundus HEDIKMA Consortium Health Data, Information and KM Endorsment Letter
-  • College of Life Sciences and Biotechnology, Korea University
• Sungkyunkwan University
• Sejong University
• College of AI-SW Creative Convergence, Pai Chai University
• BK21 FOUR R&E Center for Environmental Science and Ecological Engineering (ESEE) and Department of Environmental Science and Ecological Engineering, Korea University
• Korean Society for Atmospheric Environment (KOSAE)
-  • Institute of Earth Sciences Academia Sinica
• National Kaohsiung University of Science and Technology
• College of Agriculture, Tunghai University
• College of Science, College of Engineering, National Taiwan University
• National Central University
• National Tsing Hua University
• National Dong Hwa University
• Ming Chi University of Technology
-  • College of Environment and Natural Resources, Can Tho University
-  • Chamapasack University
• Souphanouvong University

-  • Dalian University of Technology
• Youjiang Medical University for Nationalities
-  • Graduate School of Agriculture and Life Sciences, The University of Tokyo
• Tohoku University
• Graduate School of Science and Engineering, Toyo University
• Center for Green Research on Energy and Environmental Materials (GREEN), National Institute for Materials Science (NIMS)
• Graduate School of Science, Osaka University
• Graduate School of Life Sciences, Ritsumeikan University
• Graduate School of Science, Osaka Prefecture University
• National Institute for Fusion Science
• Institute for Chemical Research (ICR), Kyoto University
• Gunma University
• Graduate School of Nanobioscience, Yokohama City University
• Toyota Technological Institute
• Aichi Institute of Technology
• College of Life Sciences, Ritsumeikan University
• RIKEN (Institute of Physical and Chemical Research)
• C. Uyemura & Co., Ltd
• Graduate School of Science and Technology, Niigata University
• School of Engineering, School of Materials and Chemical Technology, and School of Environment and Society, Tokyo Institute of Technology
• Graduate School of Engineering / School of Engineering, Osaka University
-  • University of Wollongong

*Retrieved on 12 December 2023

Number of MOUs / MOAs **68**



Examples of Science Research Centers



STeP Science and Technology Park, Chiang Mai University (STeP)



NARIT National Astronomical Research Institute of Thailand (NARIT)



Queen Sirikit Botanic Garden

Outreached Centers



ASci ADVANCED SCIENTIFIC INSTRUMENTS UNIT

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Contact Us



<http://www.science.cmu.ac.th>



Faculty of Science, Chiang Mai University



Science CMU Official



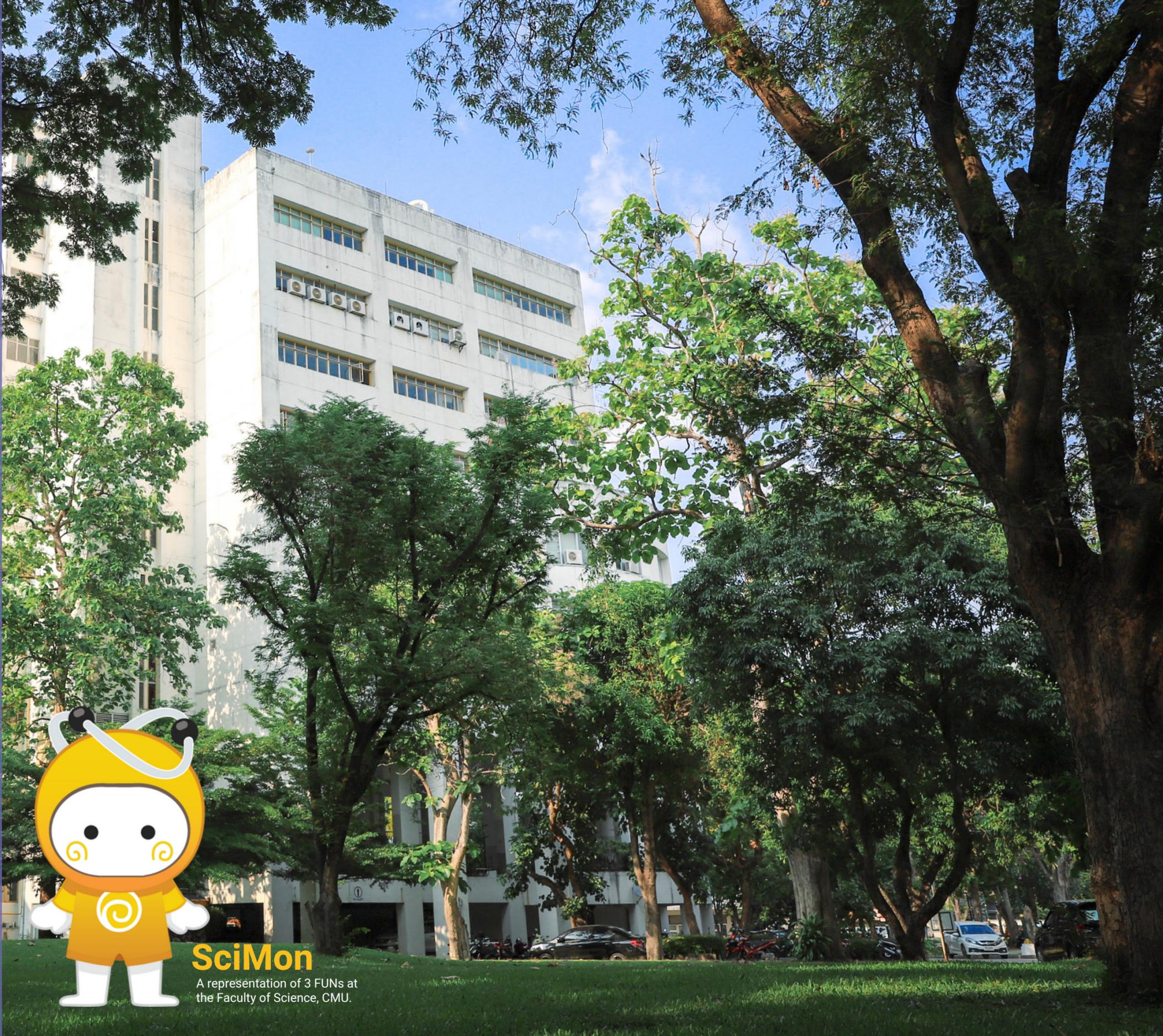
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@scicmu



SciMon

A representation of 3 FUNs at
the Faculty of Science, CMU.