



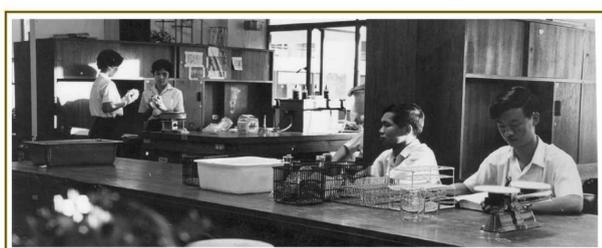
60th Anniversary- Department of Chemistry
Faculty of Science, Mahidol University

Department of Chemistry, Mahidol University Educate People, Lay the Foundation for Research Practice



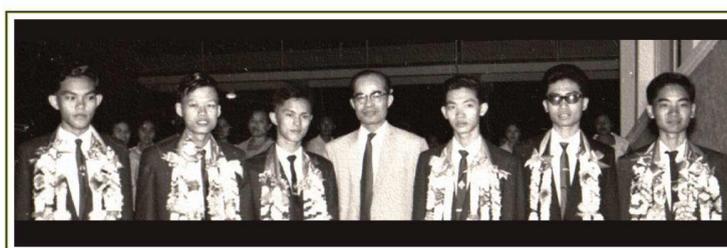
“The Advent of Basic Science in Chemistry”

Professor Dr. Stang Mongkolsuk, a renowned organic chemist, founded the Premedical School and the Department of Chemistry in 1958. Later becoming Faculty of Medical Sciences, University of Medical Sciences in 1960, it took the name of Faculty of Science, Mahidol University in 1969.



“Chemistry Provides a Foundation for Understanding all Basic and Applied Scientific Disciplines”

For the past 60 years, the Department of Chemistry supported the teaching of chemistry to students in health sciences and medicine. Now, the Department of Chemistry is responsible for teaching chemistry to almost all first-year undergraduate students at Mahidol University.



“Thailand Needs Scientists”

In response to the lack of qualified college lecturers, Professor Dr. Stang Mongkolsuk recruited top students to pursue graduate studies overseas so that on their return to become faculty members of the Faculty of Science.



“Advances in Chemistry Come from Research”

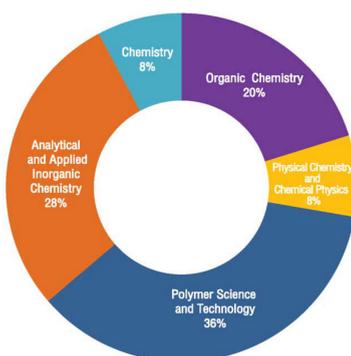
For the first decade, Professor Dr. Stang Mongkolsuk emphasized the importance of research in conjunction with chemical education. With the assistance from international experts and the Rockefeller Foundation, the M.Sc. and Ph.D. programs at the Department of Chemistry were initiated and steadily excelled to the international standards.

Our Graduate Program Offers M.Sc. and Ph. D. Degrees in Various Fields:

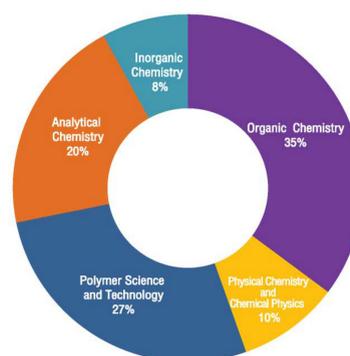
Organic Chemistry, Chemical Physics and Physical Chemistry, Polymer Science and Technology, Analytical Chemistry, and Inorganic Chemistry. Department of Chemistry has produced exceptional graduates who are currently working in various government and private sectors in Thailand.

Course	First incoming class
M.Sc. in Organic Chemistry	1966
M.Sc. in Physical Chemistry	1969
M.Sc. in Chemical Physics	1969
Ph.D. in Organic Chemistry	1979
Ph.D. in Physical Chemistry	1984
Ph.D. in Chemical Physics	1984
M.Sc. in Polymer Science and Technology	1988
M.Sc. in Applied Analytical and Inorganic Chemistry	1993
Ph.D. in Polymer Science and Technology	1999
Ph.D. in Analytical Chemistry	2000
Ph.D. in Inorganic Chemistry	2006
M.Sc. in Chemistry	2013
Ph.D. in Chemistry	2013

Number of Master Students 783



Number of Ph.D. Students 213





60th Anniversary- Department of Chemistry

Faculty of Science, Mahidol University

Department of Chemistry, Faculty of Science, The Leaders in Thai Chemical Sciences

Department of Chemistry, Faculty of Science, Mahidol University has served as the pillar of society for the past 60 years.

We are proud to provide educational resources, generate high-impact research outputs, and produce human resources, both university professors and researchers, who advance the field of Chemistry in Thailand.

Flipped Classroom Approach in Undergraduate Education



Flipped Classroom Approach in Undergraduate Education

With an inversion of traditional classroom, we introduce new concepts and knowledge to students via e-learning while spending classroom time on activities and solving problem, focusing on developing learning skills for students.

International Publications

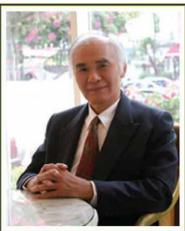


Make Big Impacts and Progress on Scientific Community and Thai Society



Professor Dr. Kamchorn Manunapichu, the second Head of the Department of Chemistry (1971-1986), together with representatives from the Chemical Societies of various countries have established the Federation of Asian Chemical Societies (FACS) in 1979 and founded the Chemical Society of Thailand in 1980.

Professor Emeritus Dr. Vichai Reutrakul, former Head of the Department of Chemistry (1993-2002), NRCT Outstanding Researcher Awardee in 2005, played an important role in founding the Center of Excellent for Innovation in Chemistry (PERCH-CIC), imparting collaborations between universities and various research centers to generate high-impact research and innovations. Current international research collaborations were also initiated by PERCH-CIC.



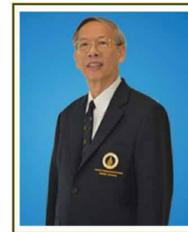
Professor Emeritus Dr. Yodhathai Thebtaranonth was the world-renowned Thai researcher in the field of natural products with biological activity. He received the Thailand Outstanding Scientist Award in 1986 and ASEAN Outstanding Scientist and Technologist Award in 1995, both from the Foundation for the Promotion of Science and Technology under the Patronage of H.M. the King. He also co-founded Thai Academy of Science and Technology (TAST). Also, he devoted his time to science communication and education to children, encouraging them to be interested in sciences.

Associate Professor Dr. Prapin Wilairat, former Head of Department (1990-1994), is a specialist in Instrumental Analytical Chemistry with depth and breadth of knowledge. He is a prominent figure in the foundation of National Doping Control Center, Mahidol University.



Assistant Professor Dr. Krisda Suchiva, former Deputy Director of Thailand National Metal and Materials Technology Center (1991-2015), is also another leader in foundation of Polymer Society of Thailand and Rubber Technology Research Center (RTEC), RTEC plays an important role in technology transfer to rubber industry, creating innovations in rubber technology and collaborations between rubber researchers and rubber industry.

Professor Dr. Manat Pohmakotr, former Head of Chemistry Department (2004-2008), is a distinguished organic chemist, specializing in methodology and total synthesis of natural products with biological activity. He received an Outstanding Researcher Award (Chemical & Pharmaceutical Sciences Section) from the National Research Council of Thailand (NRCT) in 2008.



With outstanding research conducted in Department of Chemistry, these following professors were named TRF senior research scholars as they were notable researchers and mentors to the next generations.

Professor Dr. Sauvarop Bualek-Limcharoen (1995)

Professor Dr. Vichai Reutrakul (1996)

Professor Dr. Somsak Ruchirawat (1997 and 2001)

Professor Dr. Pramuan Tangboriboonrat (2008)



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Other Awards

Teaching Awards

- ◆ Outstanding Lecturer Award, Mahidol University Council ◆
- ◆ Outstanding Lecturer Award, Council of Faculty of Science Senate ◆
- ◆ Mahidol University Prize for Excellence in Teaching, Mahidol University ◆
- ◆ Outstanding Lecturer Award (Science and Technology), Council of the University Faculty Senates of Thailand ◆

Research Achievement Awards

- ◆ Young Scientist Award, Foundation for the Promotion of Science and Technology under the Patronage of H.M. the King, Thailand ◆
- ◆ TRF-OHEC-Scopus Researcher Awards (Chemical & Pharmaceutical Sciences), Thailand Research Fund ◆
 - ◆ Inventor Award, National Research Council of Thailand ◆
 - ◆ L'Oreal-UNESCO "For Women in Science Fellowships" ◆
- ◆ Outstanding Dedication and Contribution to Rubber Technology Progress ◆
 - ◆ Outstanding Research Award (Policy), Thailand Research Fund ◆
 - ◆ Polymer Society of Thailand (PST) Rising Star, Thai Polymer Society ◆
- ◆ CST Distinguished Young Chemist Award in Organic Chemistry, Chemical Society of Thailand ◆
 - ◆ Endeavour Executive Fellowship, Australian Government ◆
 - ◆ CST High Impact Chemist Award, Chemical Society of Thailand ◆
 - ◆ DMSc Award, Department of Medical Sciences ◆
- ◆ TWAS Prize for Young Scientists in Thailand, Academy of Sciences for the Developing World ◆
 - ◆ Mahidol University Prize for Excellence in Invention, Mahidol University ◆

Excellent in Service Award

- ◆ Outstanding Staff Award, Faculty of Science, Mahidol University ◆
- ◆ Outstanding Government Officers Award, Mahidol University ◆
 - ◆ Civil Servant Excellence Awards ◆
- ◆ MU Brand Ambassador, Faculty of Science, Mahidol University ◆
- ◆ Mahidol University Prize for Excellence in Service, Mahidol University ◆

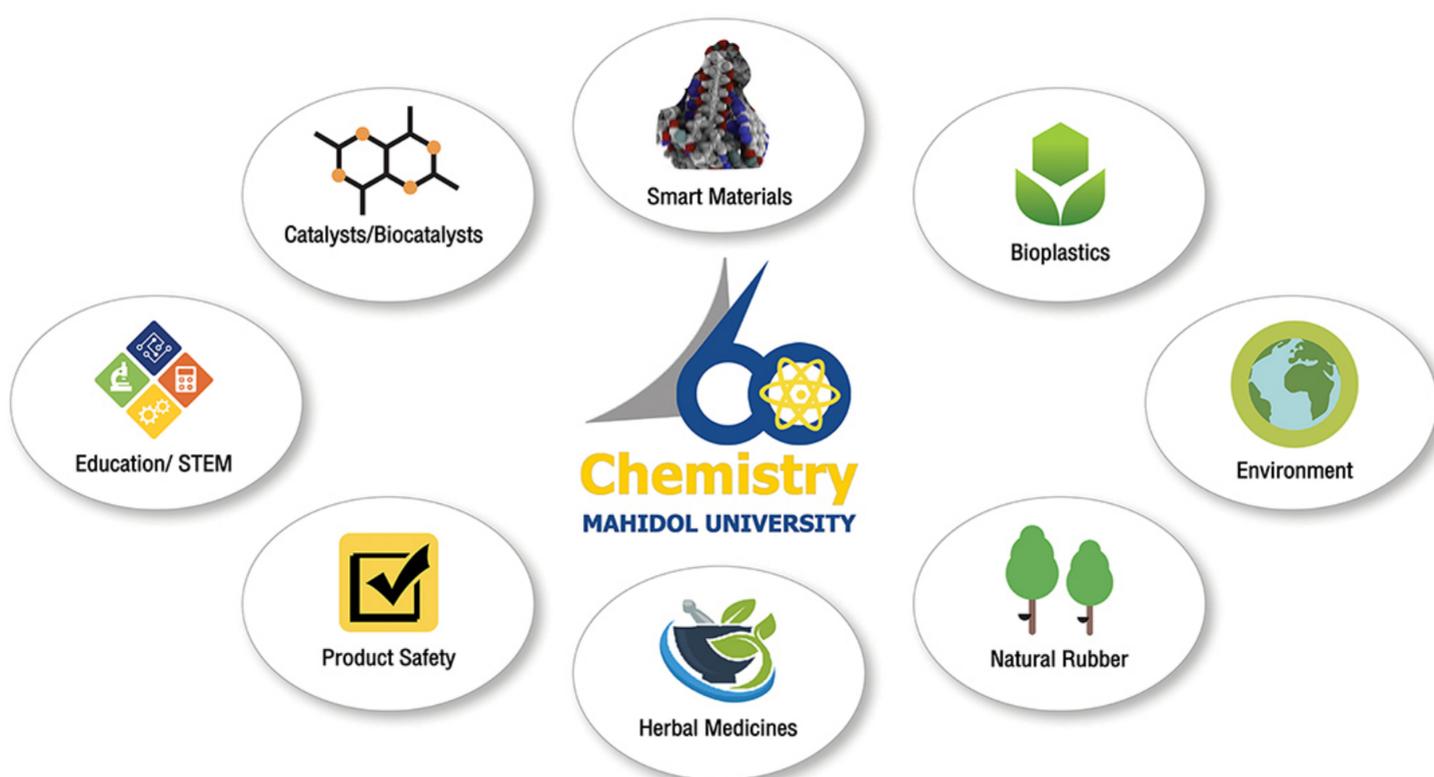


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Research Area

Department of Chemistry, Faculty of Science, Mahidol University

thrives to make progress in both fundamental research and applied chemistry for sustainable development in the following fields.



Examples of Research Innovations



Our Staff



Our Vision : Department of Chemistry, Faculty of Science, Mahidol University strives to be the leading education and research institution, by enhancing the knowledge of chemical science and technology, for the benefit of mankind.



More info