



The Chemical Society of Thailand

Activities report 2026

1. DOW-CST Awards 2025 Science Project Competition
2. Pure and Applied Chemistry International Conference 2026 (PACCON 2026)
3. Side Event FACS Innovation Science Project in PACCON2026
(Future Science Research Presentation for Junior researcher)
4. The 45th Meeting of Heads of Chemistry Departments in Thailand and the 2025 Annual General Meeting of the Chemical Society of Thailand at PACCON 2026
5. PACCON 2027 Host Meeting and Signing Ceremony for the Conference Organization Guidelines
6. Upper Secondary School Textbook Donation and Redistribution Project
7. Small-Scale Chemistry Workshop for Secondary School Teachers in Asia
8. Online Training on Small-Scale Chemistry Techniques and the 13th Dow Chemistry Classroom Project
9. The 22nd Thailand Chemistry Olympiad, Faculty of Science and Digital Innovation, Thaksin University, Phatthalung Campus.
10. Chem Challenge and 44th Chem Test
11. Awards and Recognition
12. Dow-CST Science Project Competition 2025
13. CST Awards 2025



DOW-CST Awards 2025 Science Project Competition

The DOW-CST Awards 2025 Science Project Competition was organized as part of the “Dow Chemistry Classroom” project, a collaborative initiative involving the Chemical Society of Thailand, Dow Thailand Group, the Office of the Basic Education Commission (OBEC), and the National Science Museum (NSM). The project focuses on enhancing science education, particularly chemistry laboratory instruction, in order to strengthen the experience, knowledge, and practical skills of both teachers and students. A key component of the project is the use of Small-Scale Chemistry Laboratory techniques, an approach designed to make chemistry experiments more efficient and safer while reducing the amounts of chemicals and laboratory materials required. This instructional approach has also been recognized by UNESCO. The competition was held on Thursday, 14 November 2025, from 8:30 a.m. to 3:00 p.m. at the Grand Hall, True Digital Park, Bangkok. The theme of the DOW-CST Awards 2025 was “Green Chemistry.”

The final round of the competition was divided into two categories: lower secondary school level and upper secondary school level. The competition aimed to encourage creativity among participants and to promote the application of small-scale chemistry principles in designing chemistry experiments that can be effectively implemented in actual classroom teaching.

Outstanding Award – Lower Secondary School Level

Dr. Pilailak Sirisurawong, Surawiwat School, Suranaree University of Technology

Outstanding Award – Upper Secondary School Level

Mr. Nopanat Chumwong, Triam Udom Suksa Preng Wisutthathibodi School





Pure and Applied Chemistry International Conference 2026 (PACCON 2026)

The Chemical Society of Thailand under the Patronage of Her Royal Highness Princess Chulabhorn Krom Phra Srisavangkavadhana, in collaboration with the Faculty of Science, Naresuan University, organized the Pure and Applied Chemistry International Conference 2026 (PACCON 2026) under the theme “The Global Future of Chemistry With AI.” The conference was held on 12–13 February 2026 at the King Naresuan the Great Exhibition and Convention Center (KNECC), Phitsanulok Province. The event brought together distinguished chemists and scientists from related disciplines from various countries around the world. A total of 1,374 participants attended the conference, comprising 1,277 Thai participants and 97 international participants. The conference therefore provided an excellent opportunity for Thai chemists, scientists, university students, and researchers to meet, exchange ideas, and establish academic collaborations with internationally recognized scholars.

Plenary Lectures by Four World-Renowned Experts. The conference featured special lectures delivered by four internationally distinguished experts: Professor Dr. Svante Pääbo Nobel Prize in Physiology or Medicine 2022, Germany. Distinguished Professor Dr. Naoki Sugimoto, Faculty of Frontier Institute for Biomolecular Engineering Research, Konan University, Kobe, Japan, Professor Dr. Lee-Wei Yang, Institute of Bioinformatics and Structural Biology, National Tsing Hua University, Taiwan and Professor Valentine P. Ananikov Zelinsky Institute of Organic Chemistry, Russian Academy of Sciences, Moscow, Russia.

Research Presentations, Research contributions were presented in both oral and poster formats. More than 616 abstracts were submitted for presentation, consisting of: 117 Invited Talks, 147 Oral Presentations, 352 Poster Presentations.

The presentations were classified into the following 12 scientific disciplines: Analytical Chemistry, Catalytic Chemistry, Chemical Education, Environmental Chemistry and Renewable Energy, Food, Agriculture, and Cosmetics, Inorganic Chemistry, Industrial and Engineering Chemistry, Materials Science and Nanotechnology, Natural Products, Biological Chemistry and Chemical Biology, Organic Synthesis and Medicinal Chemistry, Polymer Chemistry and Bio-based Materials and Physical and Theoretical Chemistry.

In addition to the academic sessions, the conference featured an exhibition of chemical innovations addressing major contemporary global challenges, as well as an exhibition highlighting the profiles and achievements of researchers who received awards from the Chemical Society of Thailand in 2025.

The event also included exhibitions of products, services, and information from supporting organizations, small-scale chemistry laboratory training, and study visits to important tourist attractions in Phitsanulok Province.



Side Event FACS Innovation Science Project in PACCON2026
(Future Science Research Presentation for Junior researcher)
Date 25 December 2025- 13 February 2026

The FACS Innovation Science Project Side Event at PACCON 2026 was organized to provide junior researchers with an international platform to present scientific research and innovations. The project was conducted from 25 December 2025 to 13 February 2026, with the final presentations and awards held on 13 February 2026. Participants came from five countries: Thailand, Malaysia, the Philippines, Sri Lanka, and Japan. A total of 160 student projects were presented, including 40 online video presentations and 120 onsite presentations. The activities included abstract, poster, and short video submissions, followed by scientific evaluation and onsite poster presentations. Projects were assessed based on scientific merit, innovation, and clarity of presentation. The event involved 789 participants, comprising 643 students and 146 teachers. It strengthened students' scientific communication, confidence, critical thinking, and international collaboration. The project also promoted research related to the United Nations Sustainable Development Goals (SDGs) and increased the visibility of FACS initiatives in science education. Overall, the event successfully supported the development of young scientists and strengthened regional cooperation in science across the Asia-Pacific region.



The 45th Meeting of Heads of Chemistry Departments in Thailand and the 2025 Annual General Meeting of the Chemical Society of Thailand at PACCON 2026

On Thursday, 12 February 2026, during the Pure and Applied Chemistry International Conference 2026 (PACCON 2026), the Chemical Society of Thailand, in collaboration with the Department of Chemistry, Faculty of Science, Naresuan University, organized the 45th Meeting of Heads of Chemistry Departments in Thailand and the 2025 Annual General Meeting of the Chemical Society of Thailand.

The meetings were held at the Tao-Saed Meeting Room (1st Floor, G1), King Naresuan the Great Exhibition and Convention Center (KNECC), Phitsanulok Province.



PACCON 2027 Host Meeting and Signing Ceremony for the Conference Organization Guidelines

On Friday, 13 February 2026, a signing ceremony was held for the PACCON 2027 International Conference Organization Guidelines between the Chemical Society of Thailand and the co-host institutions, namely the Department of Science Service and Suan Dusit University. The ceremony was led by Professor Dr. Vuttichai Parasuk, President of the Chemical Society of Thailand; Assistant Professor Dr. Pornchanit Kaewnet, Vice President for Academic and International Affairs, Suan Dusit University, representing Suan Dusit University; and Dr. Pojaman Tachin, Deputy Director-General and Acting Director-General of the Department of Science Service, representing the Department of Science Service. Executives from all three organizations also attended the ceremony. The event was held at the G1 Meeting Room, King Naresuan the Great Exhibition and Convention Center (KNECC), Naresuan University.

Other participants in the signing ceremony included:

Professor Dr. Supa Hannongbua

Associate Professor Narumol Krueaongajarnukul and Associate Professor Dr. Supakorn Boonyuen, representing the Chemical Society of Thailand

Assistant Professor Dr. Thitinart Sukonket, Dean of the Faculty of Science and Technology, Suan Dusit University

Dr. Kanit Tapasa, Director of the National Laboratory Reference Institute, Department of Science Service

The PACCON 2027 International Conference, under the theme “Chemical Innovation for Longevity and Well-being,” is scheduled to be held on 11–13 February 2027 at the Vayupak Convention Center, Centara Life Government Complex Hotel & Convention Centre Chaeng Watthana.



Upper Secondary School Textbook Donation and Redistribution Project

The Chemical Society of Thailand, represented by Associate Professor Dr. Supakorn Boonyuen, Vice President of the Society, received a donation of 255 textbooks from Grade 12 students of Suankularb Wittayalai Rangsit School. The Chemical Society of Thailand served as a coordinating organization to pass these donated textbooks on to younger secondary school students. The books were distributed to four schools: Ko Mak Secondary School, Pak Phayun District, Phatthalung Province Songkhla Wittayakom School, Ching Kho Subdistrict, Singhanakhon District, Songkhla Province Nawaminthrachuthit Thaksin School, Phawong Subdistrict, Mueang Songkhla District, Songkhla Province Khukhan School, Huai Nuea Subdistrict, Khukhan District, Si Sa Ket Province. The project is aligned with several United Nations Sustainable Development Goals (SDGs), including SDG 4: Quality Education, by helping reduce inequality in access to educational opportunities; SDG 12: Responsible Consumption and Production, through the reuse of educational resources and the reduction of demand for newly produced materials; and SDG 13: Climate Action, by helping reduce the environmental impact associated with paper production. The Chemical Society of Thailand sincerely appreciates the generosity of the students of Suankularb Wittayalai Rangsit School for donating their textbooks and allowing the Society to pass these educational resources on to younger students.



Small-Scale Chemistry Workshop for Secondary School Teachers in Asia

The Chemical Society of Thailand organized the Small Scale Chemistry Workshop under the BBL–CST Small Scale Chemistry Training for Secondary School Teachers in Malaysia 2026 project, with support from Bangkok Bank Public Company Limited. The workshop was held on 27–28 April 2026 at the Kulliyah of Science, International Islamic University Malaysia (IIUM), Kuantan Campus, Pahang. The

opening ceremony was presided over by Ms. Lada Phumas, Ambassador of Thailand to Kuala Lumpur. Distinguished participants at the opening ceremony included Professor Kamaruzzaman Yunus, Dean of the Kulliyyah of Science, IIUM Kuantan Campus; Professor Dr. Wuttichai Parasuk, President of the Chemical Society of Thailand; Professor Dr. Supawan Tantayanon, Director of the BBL–CST Small Scale Chemistry Project; Assistant Professor Dr. Saiful 'Arifin Shafiee, Chairman of the Malaysian Institute of Chemistry, Pahang Branch; Mr. Surayut Kanchanaphokin, Executive Vice President of Bangkok Bank (Malaysia); Mr. Mohammad Dzulkhairi bin Abdul Rahman, representative of the Ministry of Education Malaysia; and members of the Executive Committee of the Chemical Society of Thailand.

The primary objective of the workshop was to strengthen the knowledge and practical skills of secondary school chemistry teachers in small-scale chemistry laboratory techniques. The training emphasized experiments that use reduced amounts of equipment and chemicals, while offering advantages in terms of cost efficiency, safety, shorter experimental time, and environmental friendliness.

More than 100 secondary school chemistry teachers from 45 schools in eastern Malaysia participated in the workshop.





Online Training on Small-Scale Chemistry Techniques and the 13th Dow Chemistry Classroom Project

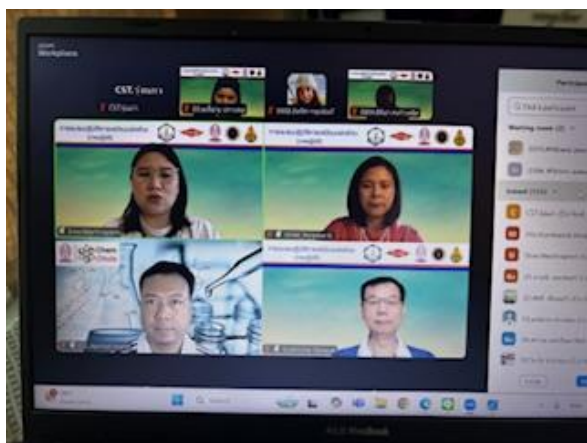
The Chemical Society of Thailand, in collaboration with Dow Thailand Group, Chulalongkorn University, the Office of the Basic Education Commission (OBEC), and the Office of the Private Education Commission (OPEC), previously signed a Memorandum of Understanding (MOU) for the training program entitled “Small-Scale Chemistry Laboratory for Secondary Schools” on Thursday, 3 April 2025, at the Ministry of Education. As part of the activities under this collaborative agreement, the 13th Small-Scale Chemistry Workshop was scheduled for 2026. The training was designed for secondary school science teachers from schools under various educational authorities, including local administrative organizations, the Bangkok Metropolitan Administration, non-formal education institutions, demonstration schools, private schools, and international private schools. The training was conducted online via the Zoom application and was divided into two components:

Theoretical session: 2 May 2026

Practical sessions: 23–24 May 2026

The training was scheduled from 8:30 a.m. to 4:30 p.m.

Note: Participants who registered for the practical training sessions were eligible to submit their work for consideration in the DOW-CST Award competition.





The 22nd Thailand Chemistry Olympiad from 3–7 April 2026 at the Faculty of Science and Digital Innovation, Thaksin University, Phatthalung Campus.

Professor Dr. Wuttichai Parasuk, President of the Chemical Society of Thailand, attended the closing ceremony on 7 April 2026 and presented certificates to students who participated in the competition.

The event was hosted by the Faculty of Science and Digital Innovation, Thaksin University, Phatthalung Campus.



Chem Challenge and 44th Chem Test

The Chemical Society supports activities organized by undergraduate students, such as Chem Spelling Bees, which were held as part of the “Chem Challenge” event at Chulalongkorn University on November 1st, 2025 and the “44th Chem Test” activity at Kasetsart University on November 15th, 2025.





Awards and Recognition

Dow-CST Science Project Competition 2025

Awards and Recognition

Dow-CST Science Project Competition 2025 The CST continued the Dow-CST Science Project Competition, which followed the "Dow Chemistry Classroom" project that has reached over 370,000 teachers and students from more than 2,000 schools over 10 years. Winners included:

- **Excellence (Lower Secondary):** Dr. Pilailak Sirisurawong (Surawiwat School) for the project "Ocean in Trouble".
- **Excellence (Upper Secondary):** Mr. Noppanat Chumwong (Triam Udom Suksa Prengvisuthathibodi School) for "When Precipitates Speak Stoichiometry".

CST Awards 2025

CST Awards 2025 The Society presented awards recognizing excellence across various fields of chemistry. Notable winners include:

- **CST Distinguished Chemist Award 2025 (Organic Chemistry):**
Assoc. Prof. Dr. Warinthon Chawawongsiri (Chulalongkorn University)
- **CST Distinguished Young Chemist Award 2025 (Physical Chemistry):** Asst. Prof. Dr. Natthaphon Yotsin (Silpakorn University)
- **CST Award for Distinguished Contribution to Economic Advancement 2025**
Dr. Khomson Suttisintong (NANOTEC, NSTDA)
- **CST Award for Distinguished Contribution to Chemical Education 2025**
Assoc. Prof. Dr. Chatree Faikhamta (Kasetsart University)
- **ACES-CST Early Career Award for Contribution to Green Chemistry 2025**
Dr. Pongkan Chakkaratthanont (NANOTEC, NSTDA)
- **Shimadzu CST Young Chemist Award 2025**
Assoc. Prof. Dr. Kamolwat Ngamchuea (Suranaree University of Technology)
- **Merck CST Distinguished Dissertation Award 2025**
Dr. Ravikan Kachenkoon (Mahasarakham University)
- **Metrohm-CST Young Chemist Award 2025**
Ms. Jinnapat Vijitsak (Suranaree University of Technology)
- **Merck CST-TYCN for Sustainable Future Award 2025**
Assis. Prof. Dr. Phawin Iampresertkul (Sirindhorn International Institute of Technology, Thammasat University)