



## **THE CHEMICAL SOCIETY OF THAILAND (CST) OVERVIEW AND ACTIVITIES 2025**

The Chemical Society of Thailand (CST) was founded in 1980 and operates under the patronage of Professor Dr. HRH Princess Chulabhorn Krom Phra Srisavangkavadhana. The Society currently boasts over 2,000 members from various academic levels within chemistry and related fields. The CST's main objective is to generate useful knowledge and tools in chemistry to improve the quality of human life, both socially and environmentally. In pursuit of this, the CST endeavors to enhance the image of chemistry professions, educate society about chemistry, advance the chemical profession and industry in Thailand, and participate in international activities.

Every year, the CST organizes an international conference called Pure and Applied Chemistry International Conference (PACCON), in collaboration with a department of chemistry from a co-host university. Besides PACCON, the CST also holds other conferences and workshops on various topics, such as green chemistry, small-scale chemistry, laboratory safety, and alternative energy. Moreover, the projects are in line with two Sustainable Development Goals (SDGs): SDG 4, which aims for Quality Education, and SDG 17, which stresses Partnership in the Goals.

In PACCON 2025 (18<sup>th</sup> PACCON) themed " Chemistry for a Changing World" scheduled for February 13-15, 2025, at Khao Yai Convention Center, Nakhon Ratchasima, Thailand. The conference was attended by a total of 935 renowned scientists in chemistry or related fields from various countries around the world, categorized as 804 Thai participants and 131 foreign participants.



**The 20<sup>th</sup> Asian Chemical Congress (20ACC) 2025:** The CST was granted the right by The Federation of Asian Chemical Societies (FACS) to host the 20<sup>th</sup> Asian Chemical Congress (20ACC) 2025, also known as ASIACHEM 2025, with Kasetsart University serving as the co-host themed “Responsible Chemical Sciences for World Sustainability” scheduled for June 23-27, 2025, at the Berkeley Hotel Pratunam, Bangkok. More than 700 participants from 45 countries attended, gathering attendees from across regional and global networks. Seven world-leading experts delivered special lectures, notably Prof. Dr. Aaron Ciechanover, Nobel Prize in Chemistry 2004 (Israel), and Prof. Dr. Ehud Keinan (International Union of Pure & Applied Chemistry).





### **IUPAC Global Women's Breakfast 2025 (GWB 2025)**

The CST held the IUPAC “Global Women Breakfast 2025” on April 12<sup>th</sup>, 2025. This event was organized in conjunction with a meeting with the executives of Bangkok Bank Public Company Limited to acknowledge their support for the BBL-CST Small Scale Chemistry Project. Attendees included 34 teachers and followers from three ASEAN countries participating in the project: Vietnam, the Philippines, and India.



**22<sup>nd</sup> FACS EXCO Meeting** The meeting of the Federation of Asian Chemical Societies Executive Committee (FACS EXCO) was held on June 24<sup>th</sup>, 2025, as part of the 20ACC, to discuss organizational activities, awards, and initiatives.



**Small-Scale Chemistry (SSC) Initiative** Over the last decade, CST has worked with Dow Chemicals (Thailand) to develop the Small-Scale Chemistry Workshop for high school teachers across Thailand. This initiative was successful and subsequently adopted by the Ministry of Education for nationwide implementation. Since 2017, the workshops have been extended to high school teachers in ASEAN countries, including Myanmar, Cambodia, Indonesia, Vietnam, and the Philippines, with support from Bangkok Bank, Ltd., and the Federation of Asian Chemical Societies (FACS). Furthermore, IUPAC and FACS have supported SSC training for teachers in countries like Nepal and Sri Lanka.

### **Activities in 2025:**

#### **1. Memorandum of Understanding (MOU) Signing**

On April 3<sup>rd</sup>, 2025, Prof. Dr. Vudhichai Parasuk, President of the CST, joined the signing ceremony for the MOU for the “Project to Develop the Potential for Teaching and Learning Science Experiments using Small-Scale Chemistry Principles for Secondary Schools”. This collaboration involved the CST, the Office of the Basic Education Commission (OBEC), the Office of Private Education Commission (OPEC), Chulalongkorn University, and Dow Thailand Group.



## 2. International SSC Training Workshops

The CST received funding from Bangkok Bank Public Company Limited for the “BBL – CST Small Scale Chemistry Training” project. These workshops were led by Prof. Dr. Supawan Tantayanon, Director of the Small Scale Chemistry Center, and a team of 11 Thai trainers:

- **Federation of Malaysia:** Workshop held in Kuala Lumpur, Malaysia, from April 7-11, 2025. Her Excellency Miss Lada Phumas, Ambassador of Thailand to Malaysia, gave the opening speech.
- **Republic of the Philippines:** Workshop held in Luzon, Philippines, from April 27 – May 2, 2025.
- **People’s Republic of Bangladesh:** held in the Primary Teachers Training Institute (PTI), Dhaka, People’s Republic of Bangladesh, from on 15–16 August 2025, the project entitled “**IUPAC Capacity Building of Teachers on Chemistry Hands-on Small-scale Experiments in High School in Asia.**”





### 3. Online Training and Project

The 12<sup>th</sup> session of the workshop on Small-Scale Chemistry techniques, part of the **“Dow Chemistry Classroom Project,”** was conducted online using Zoom. The theoretical session was held on April 19<sup>th</sup>, 2025, followed by practical sessions on May 17-18, 2025. Participants in the practical training sessions were eligible to submit their work for the DOW-CST Award.



### Academic and Professional Development

Since July 2007, the Society has consistently organized gatherings for the heads of Chemistry Departments from various Thai universities. These meetings, held in collaboration with the Division of Chemistry of the Science Society of Thailand, aim to update and enhance the curriculum for bachelor's degrees in chemistry. They also strive to draft legislation that promotes and encourages careers in science and technology within Thailand.

The 43<sup>rd</sup> Meeting of the Heads of Chemistry Departments of Thailand was held on February 13<sup>th</sup>, 2025, during PACCON 2025, at Khao Yai Convention Center, Nakhon Ratchasima, Thailand.

The 44<sup>th</sup> Meeting of the Heads of Chemistry Departments of Thailand was held on June 23<sup>rd</sup>, 2025, during 20ACC. The topic was “Science Communication:

International Decade of Sciences for Sustainable Development,” and discussions included the use of **AI in teaching science at the university level**, presented by Prof. Dr. Vudhichai Parasuk, President of the CST.



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 1<sup>st</sup>, 2025 and the “44<sup>th</sup> Chem Test” activity at Kasetsart University on November 15<sup>th</sup>, 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** 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)