THAILAND INTERNATIONAL CHEMICAL SCIENCES CHAPTER 2011 ANNUAL REPORT

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Description of Chapters Structures, Activities and Programs Relating (where relevant) to:

- Scientific Events:

  The ACS International Chemical Sciences Chapter in Thailand (ACS-ICSCT) this year joined the Education Fair and Exhibition hosted by Siam University held at its downtown Bangkok campus. The severe floods in Bangkok saw it postponed from the original date and was eventually held from January 19-20. The activities were to encourage high school students interested in chemistry to understand the importance of chemistry and its application closely related to daily life and also to introduce ACS-ICSCT.

  More than 200 participants including teachers and high school students attended these activities. The theme of this year was “Chemistry for Food and Life”, a synopsis of the activities were as follows.

  - Posters presenting American Chemical Society (ACS) and American Chemical Society International Chemical Sciences Chapter in Thailand (ACS-ICSCT)
  - Posters presenting the “Technology Milestones from the Chemist’s view” with permission from Dr. Attila Pavlath (ACS President 2001) translated to Thai language version by ACS-ICSCT members.
  - Posters of food research and showcase of food products jointly supported by Department of Food Technology, Faculty of Science, Siam University.
  - Video clips from Bytesize Science created by ACS with Thai translation by ACS-ICSCT members.
- Household products workshop for participants such as liquid detergents and balms. The two day was carried out at the chemistry laboratory, Faculty of Science, Siam University.

The students gained experiences to apply their chemistry knowledge to create the products and/or environmental-friendly products and better insight how significant the chemistry is for their life.

- IYC Activities and IYC Legacy Plans:

  - “Technology Milestones from the Chemist’s view” describing chemistry’s contributions in four areas: Energy & Transportation, Communication & Information, Health & Medicine, and Food & Agriculture translated to Thai language version by ACS-ICSCST members was presented by Dr. Attila Pavlath at the grand opening of the International Year of Chemistry in Paris.

  - Green Chemistry ongoing as recognition for the IYC
- Interactions with Industry and Higher Education:

ICSCT participated in the International Workshop on Sufficiency Economy and discussed with Dr. Songkiat Tansamrit, (Secretary-General of Sustainable Energy Foundation) regarding to the prospective project between the ACS-ICSCT. The workshop was on the principles of sufficiency economy (PSE) was best owed by H.M King Bhumibol Adulyadej of Thailand to Thai people through royal pronouncements made on many occasions. The PSE emphasize moderation, responsible consumption and resilience to external shocks and have been applied to businesses, agriculture and resource conservation with great success. The PSE have been recognized by the United Nations. We foresee the feasibility to apply PSE with science and technology that can offer to the young generation in high school levels. Further official meeting with Dr. Songkiat would expand the details for the upcoming project.

- Gender, Educator and Student Participation:

- Outreach and Interactions with Community Groups:

Invitation letters and plans of the upcoming activity (Science Camp 2012) were sent to high schools in Bangkok and vicinity to introduce the activity cosponsored by ACS-ICSCT. The activity will improve relationship between students, teachers and organization, and improve their scientific skills.

- Recognition and Awards:

- Leadership Development:
Francisco Gomez, Assistant Director, ACS Office of International Activities gave a seminar to ACS-ICSCT members on Leadership, Outreach and ABC's of Running a Chapter at ACS. Following the seminar, we had discussions on future collaborative work between ACS and academia and private sectors in Thailand. The seminar was hosted by the Faculty of Science, Siam University, Bangkok, Thailand in October of 2011.
• Fundraising:

Other:

• Meetings Held During the Year:

• Photographs of Events:
Projected Activities For Next Year:

The future plan for ACS-ICSCT is to organize the “Science Camp” workshop set forth in the beginning of April 2012. The target groups of the workshop will be high school students (program of study in science) from Bangkok area and vicinity.

Formats of activity:
Lecture, laboratory practice relevant to food, Flavor chemistry and field trip.

Objectives of activities:
1) To develop the scientific knowledge and laboratory skills of students.
2) To promote ACS Chapter in Thailand
3) To bridge the networking between students, lecturers and organization.
4) To encourage the students to understand and realize the importance of science and life.
The Seminar series in Chemistry and related discipline. Invited speakers are from both academia and private sector.
International workshop on Flavor Chemistry by ACS members
Fundraising from the private sectors
Collaboration among other international chapters, academia and industry

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