



**ACS**  
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**ACS THAILAND INTERNATIONAL  
CHEMICAL SCIENCES CHAPTER  
2014 ANNUAL REPORT**

Author: Kanjana Mahattanatawee, Chair

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# ACS Thailand International Chemical Sciences Chapter 2014 Annual Report

## DESCRIPTION OF CHAPTER:

The ACS International Chemical Science Chapter in Thailand was founded in March of 2011 by ACS members living in Thailand. The principal mission of the Chapter is to provide an opportunity for ACS members in Thailand to interact with each other for the purpose of creating stronger professional relationship with ACS Units, (such as other International Science Chapters and ACS Divisions), helping the Society to accomplish its international strategic plans, fortifying the interaction between the ACS and the Thai society.

## Number of Chapter members

45

## 2014 Leadership team

Asst. Prof. Dr. Kanjana Mahattanatawee

Asst. Prof. Dr. Maruj Limpawatana

Assoc. Prof. Dr. Sittiwat Lertsiri

Dr. Inthawoot Suppavorasatit

## KEY 2014 ACCOMPLISHMENTS:

- ❖ Co-organizing “1<sup>st</sup> joint ACS AGFD-ACS ICSCT Symposium on Agricultural and Food Chemistry” March 4-5, 2014, Bangkok, Thailand

- ❖ Continuing project “Science Café@schools : Food Chemistry for Life” was organized during Nov-Dec 2014. The project goal was aiming to encourage students majoring in Science further aware of the significance of science in their lives. Two hundred high school students from 4 schools located in Bangkok and vicinity were attended. The topic of presentations included 1) Chemistry of Chocolate, 2) Flavor chemistry. 3) Chemistry in daily life. Students had pre- and post- tests to evaluate their understanding and participated in pop-quizzes for recognition awards.
  
- ❖ Science Festival was organized in conjunction with Education Fair and Exhibition hosted by Siam University during November 26-28, 2014. The activities were to encourage high school students to realize the importance of Chemistry and its application closely related to everyday life. More than 1,000 participants including teachers and high school students attended these activities. The synopsis of the activities was as follows.
  - Posters presenting American Chemical Society (ACS) and American Chemical Society International Chemical Sciences Chapter in Thailand (ACS-ICSCT)
  - Practical session and demonstration as the theme “Chemistry@Home”, mini-scale Organic chemistry laboratory (in accordance with Green Chemistry principles).
  
- ❖ A seminar “How to use international experience to be more competitive in the global chemistry enterprise” was presented to undergraduate/graduate students as well as ACS Thailand chapter members by ACS team (International Activities Committee, IAC), Ellene Contis, Steven Hill and

Lori Brown. The event was held on December 8, 2014 at Siam University.

## ACTIVITIES HELD DURING THE YEAR:

Event - Overview	
Name of the Event*	1 <sup>st</sup> joint ACS AGFD-ACS ICST Symposium on Agricultural and Food Chemistry
Brief Description*	The symposium was co-organized between ACS Thailand Chapter and ACS Division of Agricultural and Food Chemistry (AGFD) emphasizing in the area of agricultural and food chemistry.
Date Held*	March 4-5, 2014, Bangkok, Thailand
First time event?	Yes.
Primary Contact*	Kanjana mahattanatawee
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input checked="" type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input checked="" type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input checked="" type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input checked="" type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	once
Event Partners (ACS)	Division of Agricultural and Food Chemistry
Event Partners (Non ACS)	
Estimated Number of Volunteers	30
Estimated number of hours your volunteers spent on your section's/division's activities	30
Estimated Number of Attendees	180
Estimated Total Cost (USD)	30,000
Source of funding	ACS Innovative Project Grant, 5000 USD
Event Coverage	Email <a href="mailto:acs-icsct@siam.edu">acs-icsct@siam.edu</a> Radio Telev Web <a href="http://www.acsthailand2014.siam.edu/">http://www.acsthailand2014.siam.edu/</a> Other -
Event Promotion	Other -

Event - Overview	
Name of the Event*	Science Café@schools
Brief Description*	The event was aiming to encourage students majoring in Science further aware of the significance of science in their lives.
Date Held*	November-December 2014
First time event?	No,
Primary Contact*	Maruj Limpawattana
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input checked="" type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input checked="" type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	Several time a year
Event Partners (ACS)	
Event Partners (Non ACS)	
Estimated Number of Volunteers	15
Estimated number of hours your volunteers spent on your section's/division's activities	40
Estimated Number of Attendees	200
Estimated Total Cost (USD)	2,000
Source of funding	Siam University
Event Coverage	Email Radio Telev Web <a href="http://www.science.siam.edu">www.science.siam.edu</a> Other - letters
Event Promotion	Other -

Event - Overview	
Name of the Event*	Science Festival
Brief Description*	The activities were to encourage high school students to realize the importance of Chemistry and its application closely related to everyday life via practical session and demonstration.
Date Held*	November 26-28, 2014
First time event?	No.
Primary Contact*	Kanjana Mahattanatawee
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input checked="" type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input checked="" type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	Once
Event Partners (ACS)	
Event Partners (Non ACS)	
Estimated Number of Volunteers	30
Estimated number of hours your volunteers spent on your section's/division's activities	40
Estimated Number of Attendees	1,000
Estimated Total Cost (USD)	2,000
Source of funding	Siam University
Event Coverage	Email Radio Telev Web <a href="http://www.siam.edu">www.siam.edu</a> Other -letters
Event Promotion	Other -

Event - Overview	
Name of the Event*	Seminar "How to use international experience to be more competitive in the global chemistry enterprise"
Brief Description*	How to communicate science, and an overview of study/research abroad opportunities, as well as funding/grant opportunities.
Date Held*	December 8, 2014
First time event?	<b>yes</b>
Primary Contact*	Kanjana Mahattanatawee
Which strategic goal(s) from the ACS Strategic Plan does this event support?	<input type="checkbox"/> 1. Provide Information. Be the most authoritative, comprehensive, and indispensable provider of chemistry-related information. <input checked="" type="checkbox"/> 2. Advance Member Careers. Empower an inclusive community of members with networks, opportunities, resources, and skills to thrive in the global economy. <input checked="" type="checkbox"/> 3. Improve Education. Foster the development of the most innovative, relevant and effective chemistry education in the world. <input checked="" type="checkbox"/> 4. Communicate Chemistry's Value. Communicate chemistry's vital role in addressing the world's challenges to the public and policymakers.
Event Frequency*	once
Event Partners (ACS)	ACS- IAC
Event Partners (Non ACS)	
Estimated Number of Volunteers	5
Estimated number of hours your volunteers spent on your section's/division's activities	8
Estimated Number of Attendees	20
Estimated Total Cost (USD)	500
Source of funding	Siam University
Event Coverage	<b>Email</b>
	Radio
	Telev
	<b>Web</b>
	Other -
Event Promotion	Other -

## PHOTOGRAPHS OF EVENTS:



1<sup>st</sup> joint ACS AGFD-ACS ICSCCT Symposium on Agricultural and Food Chemistry



IAC visit ACS Thailand Chapter and gave seminar “How to use international experience to be more competitive in the global chemistry enterprise”





Science Festival

## PROJECTED ACTIVITIES FOR 2015

- The target groups of the events will be high school students (program of study in science) from Bangkok area and vicinity.
  - ❖ Science Café@School
  - ❖ Science Camp
  - ❖ Science Festival
- Workshop on Flavor Chemistry by ACS members
- Collaboration among other international chapters, academia industry and Thai Society (i.e. Polymer Society of Thailand, Thai Society for Biotechnology).
- Collaboration with BOOST program in Thailand

## CHAPTER OFFICERS AND CONTACT:

Asst. Prof. Dr. Kanjana Mahattanatawee (kanjana@siam.edu)

Asst. Prof. Dr. Maruj Limpawatana (maruj@siam.edu)

Assoc. Prof. Dr. Sittiwat Lertsiri (sittiwat.ler@mahidol.ac.th)

Dr. Inthawoot Suppavorasatit (inthawoot.s@chula.ac.th)