



SINGAPORE NATIONAL INSTITUTE OF CHEMISTRY

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Annual Report for 2021 – 2022

1. 11th Singapore Junior Chemistry Olympiad (SJChO)

Date: 30 June 2021 (Round 1)

Format: Multiple-choice questions which was conducted virtually via Class Marker platform.

Date: 08 September 2021 (Round 2)

Format: Open-ended questions which was conducted virtually via Class Marker platform.

Duration: 2 hours

Scientific Committee:

- Dr. Alessandra Bonanni, NTU (Chairperson)
- Dr. Lu Yunpeng, NTU (Vice Chair)
- Dr. Fung Fun Man, NUS (Vice Chair)
- Asst. Prof. Liu Xiaogang, SUTD (Vice Chair)
- Dr. Phoon Chee Wee, NYP (Vice Chair)
- Dr Zhang Zhengyang, NTU
- Asst. Prof. Felipe Garcia, NTU
- Asst. Prof. Mihaiela Stuparu, NTU
- Assoc. Prof. Richard Webster, NTU
- Dr. Tan Yaw Sing, BII, A*STAR

The national competition was organised by the Singapore National Institute of Chemistry (SNIC) in partnership with NUS, NTU and SUTD, and supported by the Ministry of Education (MOE). The competition is opened to all schools in Singapore which is inclusive of independent and international schools. This competition attracted over 80 schools and 2707 students.

2. Chemistry National Meeting Singapore 2021 (ChnmSG-4)

Date: 15 September 2021

Time: 9am to 6pm

Format: Talks and poster presentations were conducted virtually via Zoom.

Number of attendances: 90 pax

Scientific Committee:

- Dr Ken Lee, NTU (Chairperson)
- Asst Prof Liu Xiaogang, SUTD (Vice Chair)
- Mr Raymond See, ITE
- Ms Mariam Matthew, NP
- Mr Richard Khaw, NYP

- Dr Goh Kee Keong, RP
- Ms Ng Su Ling, SP
- Dr Matthew Kong, TP

The Chemistry National Meeting Singapore (ChnmSG) series was launched by SNIC with the aims of bringing the local chemistry community together and providing a major platform for researchers and students from academia and industry alike to learn about and discuss the latest developments in chemical education and sciences.

For 2021, the conference was organized by SNIC with representatives from NTU, SUTD, NYP, NP, RP, SP, TP, and ITE. ChnmSG4 took place online with exciting Webinar lectures and a virtual poster session. There were also sessions contributed by local chemistry educators and the Singapore Crystallography Association.

3. SNIC Mentorship Programme (2021 – 2022)

Duration: August 2021 to July 2022

Format: Virtual and physical meetups

Chairperson: Dr Tan Chong Kiat, P&G

A total number of 11 mentors and 24 mentees were involved.

List of Mentors:

- Dr Filza Aslam, Costello Medical
- Dr Barry Huang, Neo Performance Materials (Singapore) Pte Ltd
- Ms Tan Shi Min, Liberty Specialty Markets
- Dr Derek Sim, HSA
- Dr Willy Chin, P&G
- Dr Deirdre Chan Shu Ann, NHIC
- Dr Wang Guan, Avida Health Pte Ltd
- Ms Siew Fang Bong, Micron Semiconductor Asia Pte Ltd
- Prof Loh Xian Jun, IMRE A*STAR
- Mr Teo Rui Yang, Apple

SNIC Industry Chapter started the Mentorship Programme in 2021, with wide variety of Mentors from different industries/fields. This was done with aims to create a platform for mentees and mentors to connect and foster a long-term relationship for personal development and guidance provided by the mentors.

4. SNIC Women's Chapter: Global Women's Breakfast 2022

Date: 16 February 2022

Time: 10.30am to 12pm

Chairperson: Asst. Prof Mihaiela Stuparu, NTU

Co-chair: Dr Fung Fun Man

Number of attendances: 20 pax

5. SNIC Women's Chapter: Chemistry – An Asian Journal a special issue

Under the umbrella of SNIC's Women's Chapter and together with Chemistry—An Asian Journal a special issue entitled; "Women in Chemistry" is being put together to mark the contributions made by the women scientists in the field of chemistry. Nearly 35 manuscripts have been submitted to the

journal from across the globe to be part of this special issue from leading women chemists. It is likely that the issue will come online by 20th of July.

Guest Editors:

Asst. Prof Mihaiela C. Stuparu (NTU)

Dr Geetharani K. (IISc Bangalore)

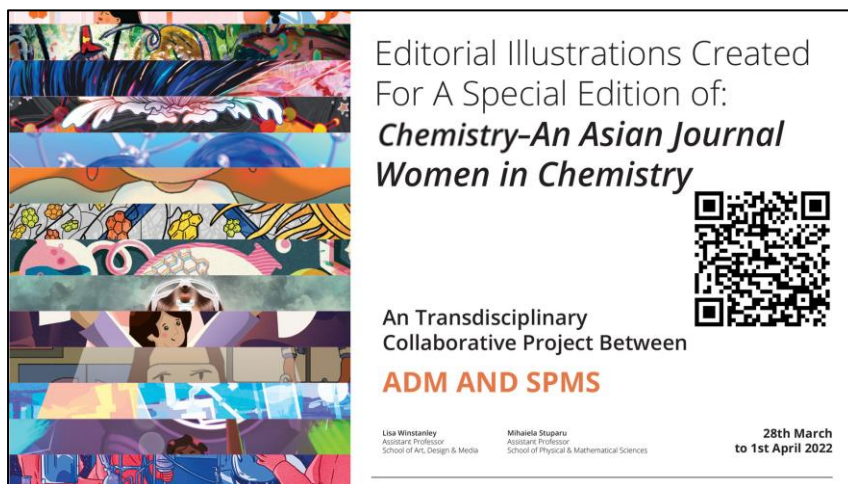
Prof Yan-Mei Li (Tsinghua University)

Dr Yan Li (Peking University)

Prof Xiaohong Fang (Chinese Academy of Sciences)

Prof Elizabeth New (The University of Sydney)

5b. Editorial Illustrations: Chemistry – An Asian Journal Women in Chemistry



Date: 28 March 2022 – 01 April 2022

Format: Virtual (Gallery)

Organised by SNIC Women's Chapter

Chairperson: Asst. Prof Mihaiela Stuparu (NTU)

6. SNIC-Industry award

Duration of application: December 2021 to March 2022

SNIC has collaborated with four major corporations, Mitsui Chemicals, Shimadzu, Tokyo Chemical Industry and Xilong Scientific, to recognise and reward outstanding individuals, who have achieved research excellence in selected areas of chemistry and chemical sciences. This SNIC-Industry Awards is re-launched to commemorate the 50th Anniversary of SNIC in 2021.

Round 2 of the SNIC-Industry Awards offered are:

- Mitsui Chemicals-SNIC Industry Award in Materials and Nano-chemistry
- Shimadzu-SNIC Industry Award in Applied and Translational Chemistry
- Tokyo Chemical Industry-SNIC Industry Award in Synthetic Chemistry
- Xilong Scientific-SNIC Industry Award in Chemistry Education

The nature of the awards reflects the significance of the Materials and Nano-chemistry, Applied and Translational Chemistry, Synthetic Chemistry and Chemistry Education to Singapore. These awards also mark the significance of the research-industry-academic trilateral relationship. This award was presented during the SNIC AGM on 06 July 2022.

Scientific Committee:

- Prof Shunsuke Chiba, NTU (Chairperson)
- Dr James Wang, P&G (Co-chair)

Category	Winners for 2022
Mitsui Chemicals-SNIC Industry Award in Materials and Nano-chemistry	Ling Xing Yi, NTU
Shimadzu-SNIC Industry Award in Applied and Translational Chemistry	Liu Xiaogang, SUTD
Tokyo Chemical Industry-SNIC Industry Award in Synthetic Chemistry	Wu Jie, NUS Koh Ming Joo, NUS
Xilong Scientific-SNIC Industry Award in Chemistry Education	Fung Fun Man, NUS

Upcoming activities planned for 2022

1. SNIC-Prof Lee Soo Ying Awards

The prominent award will be presented during the Singapore International Chemical Conference (SICC) in December 2022. It consists of two types of awards which are the SNIC – Prof Lee Soo Ying Young Chemist Award and the SNIC - Prof Lee Soo Ying Early Career Research Award.

Application period: May 2022 to July 2022

Chairperson: Dr Xu Jian Wei (IMRE, A*STAR)

2. SNIC-AsCA2019 Singapore Award for the year 2022

A) Solid-State Chemistry & Materials for the year 2022

This award is to recognize and encourage fundamental research in the field of solid-state chemistry of crystalline materials in Singapore. The award consists of S\$2000, a certificate, and a medal. The award will be presented at the Singapore International Chemical Conference (SICC) annually from 2021. This prestigious award is presented once to a researcher for his/her lifetime and will not be considered again.

B) Distinguished Woman Chemist Award for the year 2022

The purpose of this award is to recognize the work of women chemists, who have contributed significantly to chemical research or development in either academia, government agencies or industry. The award consists of S\$2000, a certificate, and a medal. The award will be presented at the Singapore International Chemical Conference (SICC) meeting. This prestigious award is presented once to a researcher for her lifetime and will not be considered again.

Application period: January 2022 to April 2022

Selection Committee:

- Prof Jagadese J. Vittal, Department of Chemistry, NUS (Chairperson)
- Prof Liu Bin, Department of Chemical and Biomolecular Engineering, NUS
- Prof Ling Xing Yi, Division Of CBC, NTU
- Prof Tim J. White, School of MSE, NTU
- Asst Prof Liu Xiaogang, SUTD

2. SJChO 2022, Round 2

Round 1 of the SJChO had concluded on 27 May 2022. Round 2 will be held in August, with around 300 students (20% of Round 1) participating in it.

Date: 18 August 2022, Thursday

Duration: 2 hours

Format: Virtual via Class Marker platform

Committee members:

- Dr Ye Enyi, IMRE, A*STAR (Chairperson)
- Dr Ken Lee, NTU (Co-Chair)
- Dr Li Zibiao, IMRE, A*STAR (Co-Chair)
- Asst Prof Liu Xiaogang, SUTD (Co-Chair)
- Dr Cao Jing, IMRE, A*STAR

- Dr Jason Lim Yuan Chong, IMRE, A*STAR
- Dr Kai Dan, IMRE, A*STAR
- Dr Shermin Goh, IMRE, A*STAR
- Dr Yang Jing, IMRE, A*STAR

3. 11th Singapore International Chemical Conference (SICC)

Being the eleventh in its series, SICC-11 will cover organic, organometallic, inorganic and material chemistry. The event is extended to welcome synthetic chemists around the world to join us at this exciting event in Singapore.

Date: 11th to 14th December 2022

Format: Physical

Scientific Committee:

- Assoc Prof Chi Chunyan (NUS)
- Assoc Prof Han Sen Soo (NTU)
- Assoc Prof Ge Shaodong (NUS)
- Prof Jiang Donglin (NUS)
- Assoc Prof Wu Jie (NUS)
- Asst Prof Koh Ming Joo (NUS)
- Asst Prof Mihaiela Stuparu (NTU)
- Prof Rei Kinjo (NTU)
- Prof Tan Choon Hong (NTU)

Prepared by: Kimmey Poh, SNIC Secretariat

Vetted by: Zhao Yu, Honorary Secretary, SNIC

Date: 14 July 2022