

# 3RD INTERNATIONAL CONFERENCE ON ADVANCED MATERIALS AND CHARACTERIZATION

JULY 24-26, 2024 BANGKOK, THAILAND

## About the Conference

The objective of the conference is to provide a broad forum for Asian scientists to share new advances and research findings in their field of research and strengthen their networking. The organizer believe that these kinds of meetings open new opportunities for cooperation through the discussion of topics of mutual interests. The technical program of AMC-2024 will consist of keynote, invited, short oral and poster presentations.

## Conference Theme

The theme of AMC-2024 will be focusing on following fields and subfields of research.

- Advanced Materials Research:** Nano materials, catalysts, green materials, smart materials, polymer & composites.
- Advanced Analytical Techniques for Characterization:** Chromatography & mass spectrometry, hyphenated techniques and automation, food science, environmental science, pharmaceutical science, polymer, and material science.
- Waste Plastics and Microplastics Issues:** Microplastics-occurrence, detection, monitoring, toxicology, plastic pollution, waste plastics management, plastic waste to energy.

## Conference Venue

Faculty of Science, Chulalongkorn University 254 Phayathai Road, Pathumwan, Bangkok, Thailand 10330.

## Conference Registration

All participants are required to complete registration and make full payment to confirm their participation and get full access to technical sessions of AMC-2024. Please complete your registration as per your category.

### Thailand Participants:

Student's registration 4000 THB and Standard registration 6000 THB. [Register online](#)

### International Participants:

Student's registration US\$ 300 and Standard registration US\$ 400. [Register online](#)

### Industrial Oral Presenters:

Oral presenters from Industries US\$ 600.

### Important Dates:

Last date for abstract submission: 31 May 2024.

Acceptance notification date: 15 June 2024.

Last date for registration: 1 July 2024.

Email: [amc2024conference@gmail.com](mailto:amc2024conference@gmail.com) Website: [www.amc2024.sglabconference.com](http://www.amc2024.sglabconference.com)

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## Invited Speakers

AMC-2024 technical committee aims to bring leading scientists working in the field of advanced materials research, advanced analytical instruments and methods and waste plastics/microplastics fields of research.

The following is the list of invited speakers delivering a talk at AMC- 2024. We will be still inviting more scientists/professors to add value to our technical program.

## Speakers



Prof. Toshiaki Yoshioka  
Graduate School of Environmental Studies,  
Tohoku University, Japan  
Subject: Waste Plastics Recycling



Prof. Prof Guoqing Guan  
Renewable Energy Institute,  
Hirotsuki University, Japan  
Subject: Catalysts- Renewable Energy



Dr Atshuichi Watanabe  
President & CEO  
Frontier Laboratories, Japan  
Subject: Advanced Polymers & Py-GCMS



Prof Sarawat Rimdusit  
Head of Polymer Engineering Lab  
Chulalongkorn University, Thailand  
Subject: Advanced Polymers



Dr Benedikt Hufnagl  
Austrian Delegate for ISO  
CEO, Hufnagl Chemometrics GmbH  
Subject: Microplastics



Professor Atsuhiko Isobe  
Centre of Oceanic and Atmospheric Research  
Kyushu University, Japan  
Subject: Microplastics



Prof Yoshitaka Takagai  
Professor, Faculty of Symbiotic Sciences,  
Fukushima University, Japan  
Subject: Nano Technology- Advanced Analytics



Dr Hayat ULLAH  
Regional Agricultural Expert  
Asian Institute of Technology, Thailand  
Subject: Food safety- Advanced Analytics



Assoc. Prof. Supareak Prasertdam  
Dept of Chem Engineering  
Chulalongkorn University, Thailand  
Subject: Heterogeneous Catalysts



Prof Mohd Nazri Ismail  
Analytical Biochemistry Research  
Universiti Sains Malaysia, Malaysia  
Subject: Advanced Analytical Technique



Assoc Prof Sbiqah Anuar  
Microplastics Research WG  
University of Terengganu, Malaysia  
Subject: Environmental Analytical Chemistry



Prof Wan Nor Roslam Wan Isahak  
Dept of Chemical and Process Engineering  
The National University of Malaysia (UKM), Malaysia  
Subject: Advanced Polymers



Prof Suparna Mukherji  
Dept of Environmental Sci and Engineering  
Indian Institute of Technology, Mumbai, India  
Subject: Emerging contaminants/GCTOPMS



Prof Deepa Kushalani  
Dept of Chemical Sciences  
Tata Institute of Fundamental  
Research (TIFR), India  
Subject: Inorganic Materials/Drug Delivery



Prof Sivakumar Manickam  
Universiti Teknologi, Brunei  
Subject: Nano Technology



Prof I. Malayagan  
Research Associate Professor  
SRM Institute of Science and Tech, India  
Subject: Electrochemistry, Fuel Cells, Catalysts



Prof Chanatip Samart  
Bio refinery and catalysts,  
Thammasat University, Thailand  
Subject: Catalysts / Energy



Prof. Arnab Dutta  
Department of Chemistry  
Indian Institute of Technology, Mumbai, India  
Subject: Molecular Catalysts – HER, ORR, WOR



Dr Sougata Ghosh  
Visiting Professor,  
Kasetsart University, Thailand  
Subject: Nanomedicine



Dr. Yugo Tsuchiya  
Laboratory Manager  
SCAS SINGAPORE PTE LTD (SCASS)  
Subject: Analytical Chemistry, Mass Spectrometry



Ms Chiew Mei Chong  
Application Specialist,  
CTC Analytics, Singapore  
Subject: Advanced Analytical Techniques



Prof Yves Gnanou  
Physical Sciences and Engineering  
KAUST, Saudi Arabia  
Subject: Advanced Polymers



Dr Lee Bai Qin  
Application and Support Manager,  
Schauenburg Analytics, Malaysia  
Subject: Advanced Analytical Techniques

## AMC-2024 Organizing Team

Dr Sathrugnan Karthikeyan, President, SG LAB FORUM, Singapore ([president@sglabconference.com](mailto:president@sglabconference.com))

Prof. Prasert Reubroycharoen, Chulalongkorn University, Thailand ([prasert.r@chula.ac.th](mailto:prasert.r@chula.ac.th))

Prof. Chanatip Samart, Thammasat University, Thailand ([chanatip@tu.ac.th](mailto:chanatip@tu.ac.th))

Dr Ruchika Yogesh, Independent Consultant, Thailand ([ruchika77c@gmail.com](mailto:ruchika77c@gmail.com))

Email: [amc2024conference@gmail.com](mailto:amc2024conference@gmail.com) Website: [www.amc2024.sglabconference.com](http://www.amc2024.sglabconference.com)

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## Abstract Submission

Abstracts are invited from young researchers and professionals to showcase their latest research findings and explore opportunities for expanding their network and collaboration. Abstracts are invited in the following fields of research. - [Submit here](#)

### Advanced Materials Research:

Nano materials, catalysts, green materials, smart materials, polymer & composites.

### Waste Plastics and Microplastics Issues:

Microplastics-occurrence, detection, monitoring, toxicology, plastic pollution, waste plastics management, plastic waste to energy.

### Advanced Analytical Techniques for Characterization:

Chromatography & mass spectrometry, hyphenated techniques and automation, food science, environmental science, pharmaceutical science, polymer, and material science.

## Sponsorship Opportunities

It is our pleasure to invite you to become a sponsor at the 3rd International Conference on Advanced Materials and Characterization to be held in Bangkok on July 24-26, 2024. Sponsors will be provided exhibition space, free registration and podium talk, depending upon the type of sponsorship. [Register online](#)

### Gold Sponsorship US \$2000

- Podium presentation (Invited - 20min)
- Exhibition space
- One delegate free registration
- Two Exhibitors pass
- Logo in conference website, Backdrop, SM

### Silver Sponsorship US \$1500

- Podium presentation (short oral - 12min)
- Exhibition Space
- One delegate free registration
- Two Exhibitors pass
- Logo in conference website, Backdrop, SM

### Bronze Sponsorship US \$1000

- Exhibition space
- Two Exhibitors pass
- Logo in conference website, Backdrop, SM

## About the Faculty of Science, Chulalongkorn University

Chulalongkorn University, nicknamed Chula, is a public autonomous research university in Bangkok, Thailand. Regarded as a school that produces proficient science graduates since 1916, the faculty of science offers graduate and undergraduate education in 14 departments. The faculty provides academic services through consultations, academic seminars, and technological development and transfer. Students are encouraged to take on challenges with inspiration, imagination, and innovation. The faculty of science has its own Food Research and Testing Laboratory (FRTL) providing testing services.



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