

# **The 20<sup>th</sup> Asian Chemical Congress (20<sup>th</sup> ACC 2025) 23<sup>rd</sup> – 27<sup>th</sup> June 2025, Bangkok, Thailand**

## **Special Session: Understanding and Development to Address the PFAS Problems in Thailand for Sustainable Environment**

**Date: 26<sup>th</sup> June 2025, 09:00 – 12:00**

### **Chair:**

Prof. Chongrak Polprasert      Email: pchongrak@gmail.com

(Environment Engineering, Thammasat University)

### **Co-Chair:**

- Dr. Suratsawadee Sukeesan      Email: suratsawadee.suk@ku.th

(Marine Science, Kasetsart University)

- Dr. Amornpon Changsuphan      Email: amornpon@dss.go.th

(National Institute of Reference Laboratories, Department of Science Service)

**Scope:** Per- and polyfluoroalkyl substances (PFAS) are persistent pollutants that pose significant threats to ecosystems and public health worldwide. PFASs are used in hundreds of products and industrial applications, ranging from firefighting foam to rain coats, food packaging, textiles and non-stick cookware. Water, soil, and biological systems in Thailand have been found to be contaminated by PFAS, highlighting the urgent need for sustainable solutions. This session provides a platform to advance understanding and foster collaborative development to address PFAS challenges that aims to protect Thailand's environment and people health.

### **Topics in this session include but are not limited to:**

- Assess PFAS contamination sources, distribution, risk assessment, and impacts on Thailand's environment and human health.
- Explore innovative and sustainable technologies for PFAS monitoring, treatment, and disposal approaches.
- Encourage partnerships between academia, government, industry, and civil society for sustainable solutions in PFAS contamination issue.
- Development of an Accredited PFAS Laboratory for analyzing, assessing and addressing PFAS concern in consumer products and environment.

### **Keynote Speaker:**



**Dr. Nudjarin Ramungul: Research Specialist, National Metal and  
Materials Technology Center (MTEC), NSTDA, Thailand**

**Email: nudjarr@mtec.or.th**



## Understanding and Development to Address the PFAS Problems in Thailand for Sustainable Environment

June 26, 2025 | @Jubilee Ballroom B, The Berkeley Hotel, Bangkok, Thailand

### Program Agenda: 26<sup>th</sup> June 2025, 09:00 – 12:00

The Berkeley Hotel Pratunam, Bangkok, Thailand (Jubilee Ballroom B)

08:00 – 09:00 a.m.	Registration
09:00 – 09:20 a.m.	Special session opening
09:20 – 09:50 a.m.	<p><u>Keynote Speaker:</u> Dr. Nudjarin Ramungul</p> <p>Topic: “PFAS in Thailand: Bridging Knowledge Gaps for Informed and Coordinated Action”</p>
09:50 – 10:10 a.m.	Coffee break
10:10 – 11:00 a.m.	<p>Oral presentation</p> <p><u>Presenter:</u></p> <ol style="list-style-type: none"> <li>1. Dr. Tawit Suriyo, Chulabhorn Research Institute, Bangkok, Thailand Topic: “Unveiling the PFAS footprint: Environmental, dietary, and human exposure in Thailand”</li> <li>2. Miss Pitchaya Piyaviriyakul, Mahidol University, Bangkok, Thailand Topic: “Trends and Challenges in Treatment Approaches for PFAS Contamination in the Environment”</li> <li>3. Miss Angkhana Khachonwongwattana, National Institute of Reference Laboratories, Department of Science Service, Bangkok, Thailand Topic: “Approaches to PFASs Laboratory Development in the Department of Science Service”</li> </ol>
11:00 – 12:00 a.m.	<p>Group discussion: Urgent need to address the “PFAS problem” by improving PFAS testing to an accredited PFAS laboratory.</p> <p><u>Panelists:</u></p> <p>Prof. Chongrak Polprasert, Environment Engineering, Thammasat University</p> <p>Dr. Nudjarin Ramungul, MTEC, NSTDA</p> <p>Dr. Suratsawadee Sukeesan, Marine Science, Kasetsart University</p> <p>Dr. Narin Boontanon, Environment and Resource Studies, Mahidol University</p> <p><u>Moderator:</u></p> <p>Dr. Amornpon Changsuphan, National Institute of Reference Laboratories, Department of Science Service</p>