

ASEAN Bioenergy and Bioeconomy Conference 2021:  
Sustainable Bioresources for Green Energy and Economy  
October 15<sup>th</sup>, 2021

Bangkok International Trade and Exhibition Centre (BITEC), Bangkok, Thailand

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The first ABB conference was organized in 2017 with focus on sustainable management and partnership. Since then, ABB conference promoted the exchange of knowledge of bioenergy and bioeconomy, providing opportunities to update database, status and situation in ASEAN countries. The conference has a strong participation of researchers, private sectors, business developers and policy makers and has been an important platform for a dialogue between academic and industrial scientists and technologists.

### **Objectives**

- 1) To exchange and transfer useful information on biomass and bioenergy database, status and situation, new knowledge and technologies and innovation among ASEAN countries
- 2) To enhance sustainable biomass for energy production and utilization in ASEAN region to relieve environmental crisis and increase competitiveness of biomass for energy from ASEAN countries to the world market
- 3) To strengthen the biomass and bioenergy network within ASEAN countries

### **Conference Topics**

#### Bioenergy

- Biomass
- Biofuel

#### Bioeconomy

- Biorefinery
- Biocomposite
- Biopharmaceutical

**Total**                      **100**      **Participants**

### **Organizing Committee**

- Kasetsart Agricultural and Agro-industrial Product Improvement Institute (KAPI), Kasetsart University, Thailand
- Asian Development College for Community Economy and Technology, Chiang Mai Rajabhat University, Mae Rim Campus, Thailand
- King Mongkut's University of Technology Thonburi (KMUTT), Thailand
- Informa Markets (Thailand) Company Limited
- GFA-Certification Company Limited

*Tentative Agenda*

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(Room 214 – 215)

- 09.00 – 09.30 Registration  
Moderator: Dr. Worajit Setthapun, Dean of adicET, Chiangmai Rajabhat University
- 09.30 – 10.00 Opening ceremony by Dr. Chongrak Wachrinrat  
President of Kasetsart University
- 10.00 – 10.45 Keynote presentation “Recommended Policy for Promoting Sustainable Energy in Thailand”  
Representative, Ministry of Energy
- 10.45 – 11.00 Coffee break and separate Session

(Room 214)

Session I: Bioenergy

- 11.00 – 11.30 Invited presentation 1 (on-line live presentation)  
Novelty of biomass crazy's families to improve the value-added of agro-industrial  
by product as energy source  
Prof. Dr. Ni Nyoman Tri Puspaningsih  
Head of University CoE-Research Center for Bio-Molecule Engineering,  
Universitas Airlangga, Indonesia
- 11.30 – 12.00 Invited presentation 2  
Anaerobic digestion: an essential step of sustainable organic waste management towards  
circular economy  
Dr. Pornpan Panichnumsin  
NASTDA, Thailand
- 12.00 – 13.00 Lunch  
Chairman: Asst.Prof.Dr. Patthra Pason
- 13.00 – 13.20 Oral presentation 1
- 13.20 – 13.40 Oral presentation 2
- 13.40 – 14.00 Oral presentation
- 14.00 – 14.40 Coffee break and Poster session
- 14.40 – 15.00 Oral presentation 4
- 15.00 – 15.20 Oral presentation 5

(Room 215)

Session II: Bioeconomy

- 11.00 – 11.30           Invited presentation 1 (on-line live presentation)  
Regeneration of global environment using algae: underlying molecular mechanisms of carbon reserved molecules and their applications  
Dr. Sousuke Imamura  
a Distinguished Researcher, NTT Space and Environment Energy Laboratories, Japan
- 11.30 – 12.00           Invited presentation 2 (on-line live presentation)  
Bio-based and biodegradable plastics from renewable resources and sustainable processes  
Prof. Dr. Kumar Sudesh  
School of Biological Sciences, Universiti Sains Malaysia, Malaysia
- 12.00 – 13.00           Lunch
- Chairman:               Dr. Worajit Setthapun
- 13.00 – 13.20           Oral presentation 1
- 13.20 – 13.40           Oral presentation 2
- 13.40 – 14.00           Oral presentation
- 14.00 – 14.40           Coffee break and *Poster session*
- 14.40 – 15.00           Oral presentation 4
- 15.00 – 15.20           Oral presentation 5