



Draft Program

ASEAN Bioenergy and Bioeconomy Conference 2020: Sustainable Bioresources for Green Energy and Economy

24 September 2020

BITEC (room MR214-215), Bangkok, Thailand

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, Thailand

10.00-10.45 **Keynote presentation**
“Mega change of global energy source”
Dr. Gary Denes
Head of Energy Technologies, Cenfura Limited

10.45-11.00 ***Coffee break***

11.00-11.30 **Invited presentation 1**
“Upgrading technology for higher blend of biodiesel in ASEAN”
Dr. Yuji Yoshimura
AIST Emeritus Researcher, Japan

11.30-12.00 **Invited presentation 2**
“CMU smart city clean energy project”
Asst.Prof.Dr. Pruk Aggarangsi
Director, Energy Research and Development Institute Nakornping,
Chiang Mai University, Thailand

12.00-13.00 ***Lunch***

Chairman: *Asst.Prof.Dr. Patthra Pason, King Mongkut's University of Technology Thonburi*

13.00-13.20 **Oral presentation 1-Bioeconomy**
O-EC1: Isolation and characterization of cold-adaptive cellulase producing bacterium *Cellvibrio ostraviensis* strain C44 and its enzymatic properties
Pantipa Prodbut
School of Bioresources and Technology, King Mongkut's University of Technology Thonburi

- 13.20-13.40 **Oral presentation 2-Bioeconomy**
O-EC2: Foam Rubber: Better performance of recovery
Thridsawan Prasopdee
Faculty of Science, Kasetsart University
- 13.40-14.00 **Oral presentation 3-Bioeconomy**
O-EC3: Effect of the matrix content on properties of foam rubber
Supitta Suethao
Faculty of Science, Kasetsart University
- 14.00-14.40 ***Coffee break and Poster session***
- 14.40-15.00 **Oral presentation 4-Bioeconomy**
O-EC4: Isolation of mannanase-producing *Bacillus tequilensis* from pickled tea for mannooligosaccharides production
Waralee Suyama
School of Bioresources and Technology, King Mongkut's University of Technology Thonburi
- 15.00-15.20 **Oral presentation 5-Bioenergy**
O-EN1: Lipase digestion by indigeneous bacteria for used frying oil-based biodiesel synthesis
Kanokwan Kamanake
Faculty of Science at Siracha, Kasetsart University Siracha campus
- 15.20-15.40 **Oral presentation 6-Bioenergy**
O-EN2: Catalytic reforming of synthesis gas from crude glycerol: potential for rice husk catalyst study
Kamonrat Suksumrit
Expert Center of Innovative Clean Energy and Environment,
Thailand Institute of Scientific and Technological Research
- 15.40-16.00 **Oral presentation 7-Bioenergy**
O-EN3: Thermochemical upgrading of sugarcane bagasse and leaves into solid biofuels for power generation in the sugar factory
Jarunee Khempila
Faculty of Science, Maha Sarakham University
- 16.00-16.20 **Oral presentation 8-Bioenergy**
O-EN4: Feasibility study of crude glycerol reforming to biomethanol
Kuntima Krekkeitsakul
Expert Center of Innovative Clean Energy and Environment,
Thailand Institute of Scientific and Technological Research