



International Conference on
Green Agro-Industry and Bioeconomy

ICGAB 2019

*"Striving a Green Economy through
Innovation Technology in Agroindustry
4.0 Era to Strengthen Sustainable
Development"*

IOP Conference Series
Earth and Environmental Science



**MALANG, INDONESIA
26 August 2019**

Introduction

Indonesia, as tropical countries, has a highly abundant in agricultural commodities and biomass sources (or bioresources), which triggered the creation and the expansion of agroindustries. Yet, some still strives to deal with improving their environmental performance. On the other hand, growing the green economy (or bioeconomy) is becoming a strategic approach to harness biotechnology and bioscience in manufacturing towards a low carbon future. This is aimed at removing reliance on fossil fuels, as well as addressing challenges of food, energy or fuel, materials, and chemicals production, health and the environment. Furthermore, in the digitalisation 4.0 era, the integration of the internet of things in agroindustries is critically important to enhance business, support innovation, and stimulate economic growth. These opportunities may potentially to allow agroindustries in developing and using green, bio-based technologies to increase productivity and to strengthen the sustainable development.

This conference is aimed to communicate and disseminate research experiences, technology innovation, research and technology advances, as well as case studies. This event provides a scientific platform enabling both local and international academia, researchers, policymakers, industry leaders, professionals, and other stakeholders to build networks, share ideas, and create research collaboration. ICGAB 2019 is hopefully boosting all participants to engage with strategies in tailoring and tackling the challenges of growing the bioeconomy and strengthening sustainable development in Indonesia.

With the success of ICGAB in 2017 and 2018, attracting more than 300 participants from different countries, this year we are proudly inviting participants to join and participate in the 3rd ICGAB on 26 August 2019 at Ijen Suites & Resort, Malang- Indonesia. ICGAB 2019 is organised by Faculty of Agricultural Technology, Universitas Brawijaya in collaboration with PERMI (Indonesian Society for Microbiology), KBI (Indonesian Biotechnology Consortium), PATPI (Indonesian Association of Food Technologist), PERTETA (Indonesian Society of Agricultural Engineering), and APTA (Indonesian Society of Agricultural Technologist).

We are also partnered with **IOP Publisher** to publish **selected manuscripts** in the **IOP Conference Series: Earth and Environmental Science**. Non-selected paper will be published in our electronic ICGAB proceeding with registered ISBN or recommended to be published in our International Journal organised by Faculty of Agricultural Technology, such as Advances in Food Science, Sustainable Agriculture and Agroindustrial Engineering (AFSSAAE).

Keynote Speakers

Dr. Hens Saputra

Director of Center for Energy
Resource Technology and
Chemical Industries, BPPT



Prof. Seong Gu Hwang

Department of Animal Life and
Environmental Science, Hankyong
National University, South Korea



Prof. Kongkiti Phusavat

Department of Industrial
Engineering Faculty of Engineering,
Kasetsart University, Thailand



Yusuf Hendrawan, Ph.D

Department of Agricultural Engineering,
Faculty of Agricultural Technology,
Universitas Brawijaya, Indonesia



Assoc. Prof. Julianne H. Grose

Department of Microbiology and
Molecular Biology, Brigham Young
University, The United States of
America



Prof. Joong Ho Kwon

School of Food Science &
Biotechnology, Kyungpook
National University, South Korea



Assoc. Prof. Phung Kim Le

Department of Chemical Process and
Equipment, Faculty of Chemical
Engineering, Ho Chi Minh City
University of Technology, Vietnam



Supported by



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icgab.ub.ac.id/submission-and-registration

IMPORTANT DATES

10 MAY Abstract Submission Deadline

24 MAY Abstract Acceptance Notification

24 JUN Full Paper Submission Deadline

25 AUG Conference Payment Deadline

26 AUG CONFERENCE DAY

Topics Include

- 1 Food Safety and Security
- 2 Agricultural Engineering
- 3 Agricultural Product Technology
- 4 Agro-industrial Production System Management and Regulation
- 5 Renewable Energy and Biorefinery
- 6 Waste and Environmental Management
- 7 Health, Nutrition, and Medical Microbiology
- 8 Industrial Biotechnology and Bioprocessing
- 9 Food Microbiology
- 10 Agro Forestry and Biodiversity
- 11 Fisheries and Marine Resources Technology
- 12 Animal Welfare and Technology
- 13 Bioeconomy and Biobusiness

Call for Abstracts & Papers

Abstracts shall be written in English, MS Word format, typed with Times New Roman (12 pt), single space and must include a summary (max. 250 words) followed by short sections addressing:

1. The purpose of the work and approach
2. The scientific innovation and relevance
3. The (preliminary) results and conclusions

Authors also need to provide:

1. Applicable topic (1 to 13).
2. Title
3. Full name, affiliation, e-mail of main author for all correspondence
4. For all other authors, full name and affiliation

Accepted papers will be presented orally in parallel or poster sessions. Authors will be notified of the decision on 24 May 2019

Please send the abstract via:

<http://icgab.ub.ac.id/submission-and-registration>

For any questions concerning abstract submission please contact:

icgab@ub.ac.id with Subject "Abstract/Paper Submission"

Conference Programme

07.30-08.30	Registration and Morning Tea
08.30-09.00	Welcome Speech
09.00-10.30	Keynote Speaker 1
	Keynote Speaker 2
	Keynote Speaker 3
10.30-11.00	Panel Discussion
11.00-12.00	Keynote Speaker 4
	Keynote Speaker 5
	Keynote Speaker 6
12.00-12.30	Panel Discussion
12.30-14.00	Lunch Break
14.00-17.30	Oral and Poster Presentation
19.00-21.00	Gala Dinner

Conference Fee

International Paper/Poster Presenter	US\$ 200
International Student Presenter	US\$ 100
Indonesian Presenter	IDR 1000k
Indonesian Student Presenter	IDR 500k
International Participant	US\$ 75
Indonesian Participant	IDR 250k
Industry/Professional Presenter	IDR 1500k
Industry/Professional Participant	IDR 1250k

*Additional fee for publication in IOP Proceeding **IDR 1250K**

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