

Preface

Proceeding of the 3rd International Conference of Lignocellulose (ICONLIG) in conjunction with the 15th International Symposium of IWoRS

Dear Colleagues,

It is a privilege for us to present the proceedings of the 3rd International Conference of Lignocellulose (ICONLIG) in conjunction with the 15th International Symposium of IWoRS to the delegates and the authors of this annual event. We really hope that you will find it fruitful and inspiring.

The crisis we are now facing is a powerful reason for real and impactful action, providing hope that our action can produce a transformative change benefiting this planet generally and our society particularly. Amid chaotic environment, scientists and engineers are, thus, challenged to tackle environment-related problems through beneficial innovations. They must find critical points related to the environmental challenges, thereby reducing the impediment of sustainability efforts from remediation of global pollution to the design of green syntheses and technologies and of next-generation greener and functional materials. As an urgent action in response to this serious issue, an international platform meeting is necessary for the scientists and engineers to share their knowledge and exchange inspiring experiences of recent updates in the scopes of characterizations and applications of plant biomass.

The proceedings collection consists of the papers submitted to the 3rd ICONLIG in conjunction with the 15th International Symposium of IWoRS which was successfully held in Bogor, Indonesia, during September 20-21, 2023. The papers have gone through several tight peer-reviewed processes after the event, and we were very careful in selecting the best manuscripts suitable for this BIO Web Conference proceedings. In addition to this program, several international keynote and invited speakers came from the United States of America, Sweden, Finland, Japan, China, and Malaysia to present their interesting works related to the fundamental sciences and potential applications of plant biomass for a sustainable future.

The conference aims to explore recent updates on the characterizations, technologies, and a broad range of applications of plant biomass, to provide the scientific communities with new insights into the new generation of engineers and scientists concerned with the massive production of renewable polymers for a sustainable future, to convey excellent opportunities for the interaction and networking of all the participants, and to deepen technical skills and knowledge, strengthened global networking, and stronger connections for potential future research projects.

The editors truly hope that this publication will give a broad overview of the potential impact of plant biomass for a sustainable future to the readers, and it will become valuable references for biomass-related research in the near future.

The editors would like to provide their appreciations and thanks to all the ICONLIG-IWoRS 2023 authors for their scientific contributions to this publication.

We would also like to convey our sincere gratitude for all the reviewers for their given time and constructive comments on the manuscripts.

We would like to then express our gratitude to the Editorial members generally and the proceedings section particularly for their hard work.

Eventually, we are looking forward to the next ICONLIG meetings.

Robertus Wahyu N. Nugroho, Ph. D
Editor-in-Chief of ICONLIG-IWoRS 2023



ICONLIG 20
IWORS 23



Indonesian Wood
Research Society

The 3rd International Conference of Lignocellulose in Conjunction with The 15th International Symposium of IWoRS

Research Center for Biomass and Bioproducts
The National Research and Innovation Agency

"Exploring the Green Syntheses, Technologies,
and Materials for a Sustainable Future"



21 – 22

September 2023

Kusnoto Building - BRIN

BOGOR - INDONESIA

CALL FOR ABSTRACTS



Keynote
Speakers



Dr. Iman Hidayat
(Chairman of Research
Organization for Life
Sciences and Environment,
BRIN, Indonesia)



Prof. Thaddeus Maloney
(Aalto University, Finland)



Prof. Martin Lawoko
(KTH, Sweden)



Dr. Tina Schneider
(Deputy Director, Forest
Legality Initiative, WRI DC,
USA)



Prof. Sudesh Kumar
(USM, Malaysia)



Assoc. Prof. Torbjörn Pettersson
(KTH, Sweden)



Dr. Tero Kämäräinen
(Osaka Medical and
Pharmaceutical University,
Japan)



Programme

The conference will be conducted as scheduled below:

Registration	20 September 2023
ICONLIG – IWoRS Conference	21-22 September 2023
Excursion	23-24 September 2023



Conference scopes

- Green Chemistry and Biorefinery
- Sustainable Bioenergy
- Advanced Structural, Functional, Biocompatible, and Green Biomaterial
- Sustainable Forest Management
- Innovative Technology of Syntheses and Characterization of Biomass Product
- Biocomposite and Biopolymer



Invited Speakers



Prof. Jukka Seppälä
(Aalto University, Finland)



Prof. Benjamin S. Hsiao
(Distinguished Professor of
Chemistry, Stony Brook
University, USA)



Assoc. Prof. Richard T. Olsson
(KTH, Sweden)



Dr. Lichao Jiao
(Associate Professor at
Research Institute of Wood
Industry, Chinese Academy
of Forestry, Beijing, China)



Assit. Prof. Timo Leskinen
(University of Helsinki,
Finland)



Dr. J.Y. Zhu
(USDA Forest Service,
Forest Products Laboratory,
USA)



Dr. Katarilina Solin
(VTT Research Center,
Finland)



Rasel Das, Ph.D.
(Department of Chemistry,
State University of New York
at Stony Brook, NY, USA)



Dr. Ahmad Ilyas bin Rusdhan
(Institut Teknologi Malaysia,
Malaysia)



Important Dates

- 15 July 2023
Submission Deadline (Abstract)
- 15 July 2023
Early Bird Payment Deadline
- 20 August 2023
Full Paper Submission
- 15 September 2023
Payment Deadline
- 21-22 September 2023
Conference Days

EXTENDED

Special Event

Excursion to Kepulauan Seribu*

Available packages:

- Cottage (2 person/cottage) 1,600,000 IDR/person
- Standard (4 person/room) 850,000 IDR/person
- * excursion payment deadline is 20 August 2023



Publication

The selected papers will be published in:

- Journal of Applied Polymer Science (Scopus Indexed Q2 (SJR 0.55); JCR WoS Q2; IF 3,057)
- Journal of Sylva Lestari (Scopus Indexed Q4; SJR 0.2)
- Indonesian Journal of Forestry Research (Scopus Indexed Q3; SJR 0.2)
- BIO Web of Conference (Scopus and WoS Indexed)
- IOP Conference Series : EES (Scopus and WoS Indexed)
- and others*

* to be confirmed

Conference fees

Category	Early Bird*	Normal*	Participant only
Local	1,250,000 IDR	1,500,000 IDR	250,000 IDR
International	125 USD	150 USD	25 USD

*exclude publication and excursion fees

*300,000 IDR discount for MAPEKI member

More information
Contact Person: Dr. Melbi Mahardika (+62 815-3509-327)
Email: iconlig@brin.go.id

**Register
NOW!**

Visit our website:

s.id/iconlig-iwors2023