



The 1st International Seminar on Tropical Bioresources Advancement and Technology (1st ISOTOBAT)

Bogor, 28–29 May 2024

FINAL REPORT ISOTOBAT 2024



BACKGROUND

The 1st International Seminars on Tropical Bioresources Advancement and Technology (ISOTOBAT 2024) is a groundbreaking event exploring emerging science, innovation, and technology in fostering future sustainable environments. This premier event is dedicated to advancing knowledge and understanding of tropical bioresources across various sectors, including agriculture, forestry, marine, and animal sciences. The conference is designed as a multidisciplinary platform for experts, researchers, students, and enthusiasts to share insights and foster collaborations toward a sustainable and healthier future. The conference focuses on harnessing concepts, technology, and business innovations across various biological resources to harmonise the way of every natural aspect for a sustainable and healthier future.

ISOTOBAT 2024 will inquire into four sub-themes: Science and Technology Innovation, Socio-economics and Business Transformation, Innovative Technologies in Bioresource Science and Engineering, and Bioresources in Natural Food and Nutrition. This conference's event offers a unique opportunity to engage with the latest trends and innovations that contribute to a sustainable and healthier future. The accepted articles will be published in the Scopus-indexed proceeding in the BIO Web of Conferences/E3S Web of Conferences.

THEME

"Harnessing Innovation and Technology in Fostering the Advancement of Tropical Bioresources"

The Objective

The objectives of the 1st ISOTOBAT 2024 as follows:

1. Promote innovation in tropical bioresource management for sustainable environmental practices.
2. Facilitate interdisciplinary dialogue and collaboration across key sectors: agriculture, forestry, marine biology, and animal sciences.
3. Highlight the role of socio-economic and business transformations in environmental sustainability.
4. Showcase advancements in bioresource science and engineering technologies.
5. Discuss the impact of bioresources on natural food and nutrition for improving public health.

The Participants

1. Professional
2. Academics and Researchers
3. Policy Makers

The Advantages

1. Peer-reviewed publications in the Scopus-indexed BIO Web of Conferences.
2. Strengthened interdisciplinary collaborations among international researchers and practitioners.
3. Increased awareness and adoption of innovative practices and technologies for the sustainable management of tropical bioresources.
4. Enhanced policy and community engagement towards sustainability and health.

THEME

Agriculture, Animal Sciences, Agroforestry, and Agro Maritime towards a sustainable environment

- Animals and Veterinary
- Agriculture
- Marine biotechnology and agro maritime
- Forestry

Socio-Economics and Business Transformation in Tropical Bioresources

- Socio economics
- Business

Innovative Technologies in Bioresource Science and Engineering

- Environment
- Basic science
- Engineering

Bioresources in Food and Nutrition for a Healthier Future

- Food Nutrition
- Health

SPEAKERS

OPENING SPEECH



Prof. Dr. Arif Satria, S.P., M.Si.
Rector of IPB University, Indonesia

KEYNOTE SPEAKERS



**Dr. Ir. H. Andi
Amran Sulaiman,
M.P.**

Indonesian Ministry
of Agriculture,
Indonesia



**Prof. Meine van
Noordwijk**

Bioresource in
Forestry and
Environment
expert,
Wageningen
University,
Netherlands



**Prof. Dr. Ir.
Hermanto Siregar,
M.Ec**

Bioresources in
Socio Economics
and Business
expert, IPB
University,
Indonesia



**Prof. Dr. Ir. Dewi
Apri Astuti, MS**

Bioresources in
Animal and
Veterinary Science
expert,
IPB University,
Indonesia

INVITED SPEAKER

Agriculture, Animal Sciences, Agroforestry, and Agromaritime Innovation



**Prof. Dr. hab. Adam
Cieslak**

Poznan University of Life
Sciences, Poland



**Dr.rer.nat. Kustiariyah
Tarman, S.Pi. M.Sc.**

IPB University, Indonesia



**Prof. Ir. Bambang Hero
Saharjo, M.Sc., Ph.D.**

IPB University, Indonesia

Socio-economics and Business Transformation in Tropical Bioresources



Prof. Hugh J. Bigsby

Lincoln University, New Zealand



Prof. Dr. Amzul Rifin, SP., MA.

IPB University, Indonesia

Innovative Technologies in Bioresource Science and Engineering



**Dr. Subhajit
Bandopadhyay**

Rashtriya Raksha
University, India



**Prof. Dr. Hideaki
Yasuhara**

Kyoto University, Japan



**Syafiqah Saidin, B.Eng.,
Ph.D**

University Technology of
Malaysia, Malaysia

Bioresources in Food and Nutrition for a Healthier Future



Prof. Firzan Nainu, Ph. D.

Hasanuddin University,
Indonesia



**Prof. Dr. Irmanida Batubara,
S.Si., M.Si.**

IPB University, Indonesia



Dr. Vincent Niderkorn

NRAE, France

SPEAKERS DISTRIBUTION (by continent)



AUTHORS DISTRIBUTION

(conference)



1. **Total Participant** : 667 authors

2. **By Continent**

- Asia : 664 authors
- Europe : 3 authors

3. **By Country**

- Indonesia : 660 authors
- Japan : 2 authors
- Poland : 2 authors
- Thailand : 1 authors
- Philippines : 1 authors
- France : 1 authors

4. **By Sub-theme**

- Agriculture, Animal Sciences, Agroforestry, and Agromaritime Innovation: 420 authors
- Socio-economics and Business Transformation in Tropical Bioresources: 64 authors
- Innovative Technologies in Bioresource Science and Engineering: 81 authors
- Bioresources in Food and Nutrition for a Healthier Future: 102 authors

5. **By Affiliation**

- IPB : 259 authors
- Non-IPB : -

AUTHORS DISTRIBUTION

(full paper)



1. Total Participant : 551 authors

2. By Continent

- Asia : 544 authors
- Europe : 7 authors

3. By Country

- Indonesia : 528 authors
- Japan : 7 authors
- Poland : 6 authors
- Pakistan : 4 authors
- Malaysia : 3 authors
- Thailand : 2 authors
- France : 1 authors

4. By Sub-theme

- Agriculture, Animal Sciences, Agroforestry, and Agromaritime Innovation: 328 authors
- Socio-economics and Business Transformation in Tropical Bioresources: 47 authors
- Innovative Technologies in Bioresource Science and Engineering: 55 authors
- Bioresources in Food and Nutrition for a Healthier Future: 121 authors

6. By Affiliation

- IPB : 190 authors
- Non-IPB : -

PAPERS DISTRIBUTION

1. Conference

- a. Total Papers: 166 papers
- b. By Sub-Theme
 - Agriculture, Animal Sciences, Agroforestry, and Agromaritime Innovation: 99 papers
 - Socio-economics and Business Transformation in Tropical Bioresources: 17 papers
 - Innovative Technologies in Bioresource Science and Engineering: 21 papers
 - Bioresources in Food and Nutrition for a Healthier Future: 29 papers

2. Full Paper

- a. Total Papers: 129 papers
- b. By Sub-Theme
 - Agriculture, Animal Sciences, Agroforestry, and Agromaritime Innovation: 75 papers
 - Socio-economics and Business Transformation in Tropical Bioresources: 11 papers
 - Innovative Technologies in Bioresource Science and Engineering: 15 papers
 - Bioresources in Food and Nutrition for a Healthier Future: 28 papers

MAIN EVENT TIMETABLE

Time (GMT +7)	Duration	Agenda			
Tuesday, 28th May 2024					
08.30– 09.30	60 minutes	Opening registration			
09.30– 09.35	5 minutes	Opening ceremony by MC			
09.35– 09.45	10 minutes	Singing Indonesia Raya and IPB Hymn			
09.45– 10.00	15 minutes	Welcoming speech by Rector of IPB University			
Plenary Session					
10.00– 10.30	30 minutes	Dr. Ir. H. Andi Amran Sulaiman, M.P.			
10.30– 11.00	30 minutes	Prof. Meine van Noordwijk			
Parallel session (Breakout room)					
	Video presentation + presenter attend	Agriculture, Animal Sciences, Agroforestry, and Agromaritime Innovation	Socio-economics and Business Transformation in Tropical Bioresources	Innovative Technologies in Bioresource Science and Engineering	Bioresources in Food and Nutrition for a Healthier Future
11.00– 11.15	15 minutes	Dr.rer.nat. Kustiariyah Tarman, S.Pi. M.Sc. (IPB University, Indonesia)	Prof. Wendy Umberger (CEO Australian Centre for International Agricultural Research (ACIAR))	Prof. Kazuhiko Narisawa (Ibaraki University, Japan)	Prof. Dr. Irmanida Batubara, S.Si., M.Si. (IPB University, Indonesia)
11.15– 12.05	50 minutes	1st session max 5 paper	1st session max 5 paper	1st session max 5 paper	1st session max 5 paper
12.05– 13.00	55 minutes	Break			

Time (GMT +7)	Duration	Agenda			
Tuesday, 28th May 2024					
13.00- 13.15	15 minutes	Prof. Dr. hab. Adam Cieslak (Poznan University of Life Sciences, Poland)	Prof. Henny Osbahr (University of Reading, United Kingdom)	Prof. Dr. Hideaki Yasuhara (Kyoto University, Japan)	Prof. Dr. Joanna Suliburska (Poznań University, Poland)
13.15– 14.45	90 minutes	2nd session max 9 paper	2nd session max 9 paper	2nd session max 9 paper	2nd session max 9 paper
14.45– 16.15	90 minutes	3rd session max 9 paper	3rd session max 9 paper	3rd session max 9 paper	3rd session max 9 paper

Time (GMT +7)	Duration	Agenda			
Wednesday, 29th May 2024					
Plenary Session					
08.00– 08.30	30 minutes	Prof. Dr. Ir. Hermanto Siregar, M.Ec			
08.30– 09.00	30 minutes	Prof. Dr. Dewi Apri Astuti, MS.			
Parallel session (Breakout room)					
	Video presentation + presenter attend	Agriculture, Animal Sciences, Agroforestry, and Agromaritime Innovation	Socio-economics and Business Transformation in Tropical Bioresources	Innovative Technologies in Bioresource Science and Engineering	Bioresources in Food and Nutrition for a Healthier Future
09.00– 10.00	60 minutes	1st session max 6 paper	1st session max 6 paper	1st session max 6 paper	1st session max 6 paper
10.00– 11.00	60 minutes	2nd session max 6 paper	2nd session max 6 paper	2nd session max 6 paper	2nd session max 6 paper
11.00– 12.10	70 minutes	3rd session max 7 paper	3rd session max 7 paper	3rd session max 7 paper	3rd session max 7 paper
12.10– 13.00	50 minutes	Break			

Time (GMT +7)	Duration	Agenda			
Wednesday, 29th May 2024					
13.00– 13.15	15 minutes	Prof. Ir. Bambang Hero Saharjo, M.Sc., Ph.D. (IPB University, Indonesia)	Prof. Dr. Ir. Noer Azam Acshani, M.S. (IPB University, Indonesia)	Syafiqah Saidin, B.Eng., Ph.D (University Technology of Malaysia, Malaysia)	Dr. Vincent Niderkorn (INRAE, France)
13.15– 14.45	90 minutes	4th session max 9 paper	4th session max 9 paper	4th session max 9 paper	4th session max 9 paper
14.45– 16.15	90 minutes	5th session max 9 paper	5th session max 9 paper	5th session max 9 paper	5th session max 9 paper
16.15– 16.45	30 minutes	Closing ceremony: Announcing the best presenter			

DATE AND VENUE

The 1st International Seminar on Tropical Bioresources Advancement and Technology (ISOTOBAT) 2024 held on:



Tuesday - Wednesday, 28-29 May 2024



08.00 am - 05.00 pm



All Participants: Online via Zoom Meeting
Committee: Papyrus Hotel



Abstract submission and conference information:

conference.ipb.ac.id/index.php/isotobat

Full paper:

bio-conferences.org/articles/bioconf/abs/2024/42/contents/contents.html

TIMELINE

Blasting Flyer	: 25 March 2024
Abstract Submission	: 26 – 22 April 2024
Abstract Submission Extended	: Until 29 April 2024
Pre-Conference	: 23 April 2024
Abstract Acceptance Notification	: 4 May 2024
Registration and Full Payment	: 25 April – 10 May 2024
Media Submission	: 25 April – 10 May 2024
Online Conference	: 28-29 May 2024
Post-Conference	: 5 June 2024
Full Paper Submission	: 30 – 14 June 2024
Scopus Proceeding Submission	: 25 July 2024

COMMITTEES

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DOCUMENTATION



Fig 1. Flyer Pre-Conference ISOTOBAT 2024



Fig 2. Flyer Post-Conference ISOTOBAT 2024



Fig 3. Flyer ISOTOBAT Conference 2024

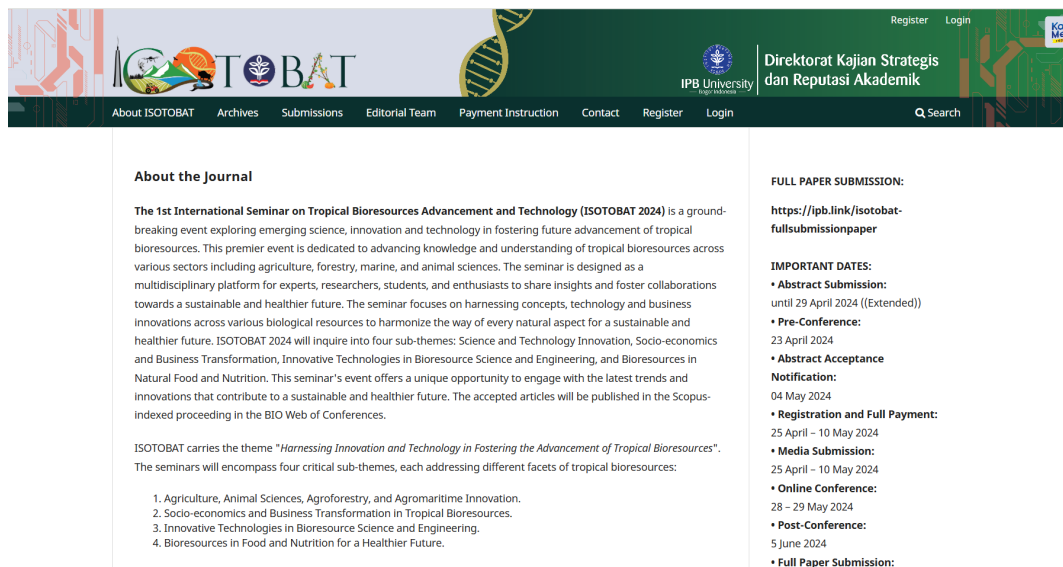


Fig 3. Website Open Journal Systems (OJS) ISOTOBAT 2024



Fig 4. Website Open Journal Systems (OJS) ISOTOBAT 2024



Fig 5. The ISOTOBAT Conference 2024 will be held online via Zoom meeting on May 28-29, 2024



Fig 6. Group Photo of the ISOTOBAT Conference 2024 Committee

CLOSING

As ISOTOBAT Conference 2024 comes to a close, we reflect on the enriching journey of discovery, learning, and idea exchange we have shared. This conference has demonstrated our collective commitment to global collaboration, innovation, and progress. We sincerely appreciate your participation, insights, and contributions.

Thank you for being part of this meaningful experience, and we look forward to future collaborations!

Bogor, 30 August 2024

Chairman,

Ir. Yulianri Rizki Yanza, S.Pt., M.Si., Ph.D.