

# THE 4<sup>th</sup> SUMMER COURSE ON BIOLOGY 2021 AND INTERNATIONAL STUDENT COMPETITION



## Bioscience Camp Indonesia to the World: Molecular Science for Climate Change and Sustainable Living

18 October - 12 November 2021

### Main Topics:

- Genetic adaptation to genomic ecosystem resilience for evolutionary potential and land ecosystem restoration
- Genomics of resilient crops, soil microbiology genomics and carbon cycle
- Conservation genomics for natural selection & its potential use
- Molecular innovation in future food & medicine
- Molecular science for green industry technology

### Activities:

1



Online lectures  
with notable experts

2



Team project-  
problem based  
learning activity

3



Webinar :  
youth & science  
for sustainable  
development goals  
(SDGs)

4



International scientific  
presentation competition:  
MOSHUEL (Molecular Science  
and Human Welfare)

### \*Registration Fee:

Domestic: IDR. 150.000  
Overseas: USD. 30

\*Free for 10 first applicants

### Benefits :

- ✓ Certificate of Participation
- ✓ Certificate of Credit Earning  
Activities (2 credits)

### Registration:

[ipb.link/scbio-4-reg](https://ipb.link/scbio-4-reg)



[biologifmipa@apps.ipb.ac.id](mailto:biologifmipa@apps.ipb.ac.id)



[ipb.link/sc-bioipb4](https://ipb.link/sc-bioipb4)

Registration due date: 5 September 2021

Organized by:



Collaborate with:



## THE 4<sup>th</sup> SUMMER COURSE ON BIOLOGY 2021

Theme: Bioscience Camp Indonesia to the World: Molecular Science for Climate Change

and Sustainable Living

Time : 18 October-12 November 2021

This program offers an opportunity for understanding about biological diversity in Indonesia, and molecular biosciences to reach sustainable development goals (SDGs), particularly for supporting zero hunger (2), good health and well-being (3), quality of education (4), affordable and clean energy (7), climate action (13), and conservation (14 and 15).

**Main Topics:**

- a. Genetic adaptation to genomic ecosystem resilience for evolutionary potential and land ecosystem restoration
- b. Genomics of resilient crops, soil microbiology genomics and carbon cycle
- c. Conservation genomics for natural selection & it's potential use
- d. Molecular innovation in future food & medicine
- e. Molecular science for green industry technology

**Activities:**

- a. Online lectures with notable experts
- b. Team project-problem based learning activity
- c. Webinar : Youth & Science for sustainable development goals (SDGs)
- d. International Scientific Presentation Competition : MOSHUEL (Molecular Science and Human Welfare)

**Benefits:**

- 1. Certificate of Participation
- 2. Certificate of Credit Earning Activities

**Registration :** [ipb.link/scbio-4-reg](https://ipb.link/scbio-4-reg) (Due date : 5 September)

**Registration Fee\* :**

**Domestic : IDR. 150.000**

**Overseas : USD. 30**

\*Free for 10 first applicants

For more information : [biologifmipa@apps.ipb.ac.id](mailto:biologifmipa@apps.ipb.ac.id)

This event was organized by Department of Biology, Faculty of Mathematics and Natural Sciences, IPB University, in collaboration with Department of Chemistry-IPB University, Nottingham University, Kyoto University, University of Zurich, and The Climate Reality Project Indonesia.



In Conjunction with the 4<sup>th</sup> Summer Course on Biology,  
Department of Biology, IPB University, Proudly Presents:

**INTERNATIONAL  
SCIENTIFIC PRESENTATION COMPETITION :  
MOSHUEL**

**(MOLECULAR SCIENCE AND HUMAN WELFARE)**

[ONLINE]

**ELIGIBILITY:**

- ✓ Participants must take part in a series of summer course activities
- ✓ Undergraduate Student

**IMPORTANT DATES:**

- o Registration due date : 30 August 2021
- o Presentation file submission : 9 November 2021
- o Oral presentation and discussion: 10 November 2021

**PRIZES:**

- ✓ 1<sup>st</sup> place : IDR 2.000.000 + E-Certificate
- ✓ 2<sup>nd</sup> Place : IDR 1.500.000 + E-Certificate
- ✓ 3<sup>rd</sup> Place : IDR 1.000.000 + E-Certificate
- ✓ Favourite : IDR 1.500.000 + E-Certificate (for 3 participants)

**REGISTRATION:** [ipb.link/scbio-4-comp](http://ipb.link/scbio-4-comp)  
[biologifmipa@apps.ipb.ac.id](mailto:biologifmipa@apps.ipb.ac.id)



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 UK - Indonesia  
Consortium for  
Interdisciplinary  
Sciences

 Beltong  
Geopark

## International Scientific Presentation Competition : MOSHUEL (Molecular Science and Human Welfare)

All highly ambitious students who will attend The 4<sup>th</sup> Summer Course on Biology 2021 are welcome to join The International Scientific Presentation Competition : MOSHUEL

(Molecular Science and Human Welfare). Four best students will be selected as the winners.

Details of the competition, the guidelines, the prizes and important competition dates for your diary are outlined below.

### **Eligible Participants**

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- Participants must take part in a series of summer course activities
- Undergraduate Student

### **Important Dates**

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- Registration due date : 30 August 2021
- Presentation file submission : 9 November 2021
- Oral presentation and discussion: 10 November 2021

### **Prizes**

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- 1<sup>st</sup> place : IDR 2.000.000 + E-Certificate
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- Favourite : IDR 1.500.000 + E-Certificate (for 3 participants)

### **Important Link**

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Registration : [ipb.link/scbio-4-comp](https://ipb.link/scbio-4-comp)

for more information : [biologifmipa@apps.ipb.ac.id](mailto:biologifmipa@apps.ipb.ac.id)

# **Overview MOSHUEL 2021**



# INTERNATIONAL SCIENTIFIC PRESENTATION COMPETITION : MOSHUEL

**(MOLECULAR SCIENCE AND HUMAN WELFARE)**

[ONLINE]

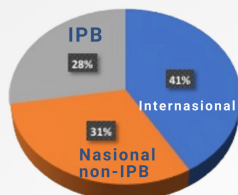
**Penyelenggara Utama :**  
Departemen Biologi, FMIPA, IPB University,

**Waktu Penyelenggaraan dan Tahapan Kegiatan:**



- o Pembinaan mahasiswa IPB: 12-30 September 2021
- o Pengumpulan essay peserta: 30 August 2021
- o Seleksi essay : 6-7 November 2021
- o Babak final (presentasi essay): 11 November 2021
- o Pengumuman pemenang : 12 November 2021

## Komposisi Peserta



Rincian:

- a. Internasional : 12 orang (Filipina, Thailand, Taiwan, Malaysia, Pakistan, Lebanon)
- b. Nasional non IPB 9 orang
- c. IPB 8 orang

Total 29 orang

## Komposisi Pemenang

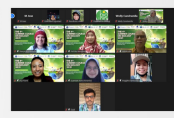
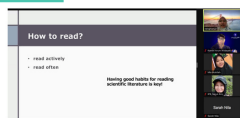
No.	Full Name	Institution	Category	Achievement
1	Anggitha Tambunan	IPB University	A	1st
2	Syahidah Asma	Universitas Diponegoro	B	1st
3	Rawya Bouhusein	University of Lebanese	A	2nd
4	Fefi Eka Wardiani	Chung Yuan Christian University	B	2nd
5	Rafli Renhar	IPB University	A	3rd
6	Saad Hamed	University of Gujrat	B	3rd
7	Mutiara Nur Pratiwi	IPB University	-	Favorite*
8	Cici Fitri Yani	Petrokimia Gresik	-	Favorite*
9	Mariel April Anne V. Jose	University of the Philippines	-	Favorite*

\*Pemenang Favorite didasarkan pada performance keaktifan peserta dalam melakukan seluruh rangkaian kegiatan, presentasi dalam kelas, dan pengerjaan tugas selama kegiatan berlangsung

Kategori/Topik Kompetisi:

1. Science & SDGs through Biotechnology
2. Science & SDGs through Ecosystem & Adaptation

## Dokumentasi Kegiatan:



Pembinaan

Babak Final

Pengumuman Pemenang

Diselenggarakan oleh:



**IPB University**  
— Bogor Indonesia —

**BIOLOGI.**  
IPB.AC.ID



**University of Nottingham**  
UK | CHINA | MALAYSIA



**UK - Indonesia**  
Consortium for  
Interdisciplinary  
Sciences



In conjunction with The 4th Summer Course on Biology 2021,  
Department of Biology, IPB University proudly presents:

## Online General Lecture **YOUTH & SCIENCE** For Sustainable Development Goals (SDGs)



Thursday, October 28<sup>th</sup> 2021 at 13.00-18.00 GMT +7 (Jakarta Time)



Dr. Neil Stephen Lopez  
United Nations Industrial Development Organization

Head of Commercial, PT Austindo Nusantara Jaya Tbk (ANJ)



Nelda Hermawan



Dr. Ciaran McCormack  
The Climate Reality Project Australia

Regional Planning and Development Agency of Gorontalo



Budiyanto Sidiki, S.Sos, M.Si



Dr. Amanda Katili  
The Climate Reality  
Project Indonesia



Nazrin Camille D. Castro  
The Climate Reality  
Project Philippines



Dr. Aditya Pundir  
The Climate Reality  
Project India



Tri Wibowo  
Youth Community  
Geopark Belitong

Master of Ceremony:



Darren Radyan



Samantha A. Ramadhanti



Jenna Kairupan

Registration:

[ipb.link/online-general-lecture-reg](https://ipb.link/online-general-lecture-reg)



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Departemen Kimia  
chem.ipb.ac.id

University of  
Nottingham  
UK | CHINA | MALAYSIA



The Climate  
Reality Project  
INDONESIA

# ONLINE GENERAL LECTURE "Youth and Science for Sustainable Development Goals"

In conjunction with The 4th Summer Course on Biology, Department of Biology, IPB University, cordially invite you to join Online General Lecture Youth and Science for SDGs.

Many notable experts will join and share interesting topics.

Thursday, October 28th, 2021  
13.00-18.00 GMT+7 (Jakarta Time)

Registration :  
<https://ipb.link/online-general-lecture-reg>

Free and open for public

For more information: [biologifmipa@apps.ipb.ac.id](mailto:biologifmipa@apps.ipb.ac.id)