

THE 3<sup>rd</sup> INTERNATIONAL CONFERENCE ON BIOSCIENCE AND  
BIOTECHNOLOGY

# “Bioscience and Biotechnology Research for Environmental Sustainability”

12-14th October 2020

Live video conference

[Video panels](#)

[Poster panels](#)

## Background

The current progress in the field of bioscience and biotechnology offer possibilities for research development in the scope of agriculture, animal science, health, and food. The main goal is to improve and enhance human life expectancies with their environment, as well as to conserve, evaluate, and utilize other aspects related to human benefit.

Therefore, integration of disciplines into research and development is essential. To accommodate the integrative efforts, this conference is held to share the development of research innovation and application of those fundamental sciences from researchers and academics from around the world.

## Sub Topic

1. Marine Debris and Utilization of Marine Bioresources
2. Sustainable Agricultures for Environmental Health
3. Environmental Sustainability in Food Industries
4. Environmental Sustainability in Healthcare Systems

## Opening Speech



Prof. Dr. Lalu Husni S.H, M.Hum.  
Rector of Mataram University, Indonesia

## Keynote & Invited Speaker



Prof. Lim Phaik Eem  
University of Malaya , Malaysia



Prof. Julian Heyes  
Massey University, New Zealand



Prof. Chang'an Xu  
Third Institute of Oceanography China



Prof. Deo Florence L. Onda, Ph.D.  
University of The Philippines Marine Science, Philippine



Eka S. Prasedya, Ph.D.  
Mataram University, Indonesia



Prof. Ir. H. Sunarpi  
Mataram University, Indonesia



Prof. Akihiro Hazama  
Fukushima Medical University, Japan



Prof. Lee Jong Min  
Nanyang Technological University, Singapore

## **Important Dates**

**Abstract Submission Deadline : 18th September 2020 Send  
Abstract to : [pubb.icbb2020@gmail.com](mailto:pubb.icbb2020@gmail.com)**

# THE 3<sup>rd</sup> INTERNATIONAL CONFERENCE ON BIOSCIENCE AND BIOTECHNOLOGY

Time (GMT+8; AM)	12 <sup>th</sup> October 2020		
08.00-09.00	Registration	Committee	
09.00-09.10	Opening	MC: Hilda Astriana, S. St., M. St	
09.10-09.15	Opening Ceremony "Indonesia Raya"	All Participant	
09.15-09.25	Dua/Praying	Khairul Umam, SH., M.H	
09.25-09.45	Opening Chairman of ICBB 2020 (Prof. Ir. H. Sunarpi, Ph.D)		
09.45-10.00	Opening Remarks (Prof. Dr. Lalu Husni, M.Hum)	Rector of Mataram University	
10.00-10.30	Keynote Speaker 1 (Prof. Julian Heyes, DPhil)	Moderator:	
10.30-11.00	Keynote Speaker 2 (Prof. Lim Phaik Eem, PhD)	Prof Sri Widyastuti, Ph.D	
11.00-11.30	QnA		
11.30-13.00	Breakout Session		
Parallel Session I			
	Host I	Host II	Host III
	<b>Moderator :</b> <b>Prof. I Komang Damar Jaya, PhD</b>	<b>Moderator:</b> <b>Prof. Ir. Sulaiman Ngongu D. PhD</b>	<b>Moderator:</b> <b>Dr. Bambang Fajar Suryadi</b>
	<b>Room : Agriculture</b> <b>Code : AG</b>	<b>Room : Health</b> <b>Code : HS</b>	<b>Room : Natural Sciences</b> <b>Code : NS</b>
13.00-15.30	<p><b>ICBB2020-004:</b> The Comparative Analysis of Row Proportions and The Effect on Nutrient Status Maize and Soybean Intercropping in Sandy Soil of North Lombok, Indonesia</p> <p style="text-align: center;"><b>W Astiko, N M L Ernawati, I P Silawibawa</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-047:</b> Trends in Hemoglobin Levels in Patients With Nasopharyngeal Cancer Who Received Chemotherapy in NTB</p> <p style="text-align: center;"><b>Ima Arum Lestari, Hamsu Kadriyan, Muhammad Alfian Sulaksana, Muhammad Sultan Ardhi, Ida Lestari Harahap, Titi Pambudi Karuniawati, Niti Wedayani</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-094:</b> Application of <i>Sargassum crassifolium</i> Extract as a Natural Antimicrobial Agent for Chicken Egg Decontamination</p> <p style="text-align: center;"><b>Mutia Devi Ariyana, Ghalib Rifaldi Dharmita, Nazaruddin</b> <i>University of Mataram</i></p>
	<p><b>ICBB2020-005:</b> Smart Solar Powered Hydroponics System using Internet of Things and Fuzzy Association Rule Mining</p> <p style="text-align: center;"><b>Wirarama Wedashwara, Andy Hidayat Jatmika, Ariyan Zubaidi</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-091:</b> Lipidomics analysis of Endocannabinoid profile in inflamed skin</p> <p style="text-align: center;"><b>Anggit L. Sunarwidhi, Alexandra Kendall, Suzanne Pilkington, Catherine O'Neill, Anna Nicolaou</b> <i>University of Manchester</i></p>	<p><b>ICBB2020-026:</b> Phytochemical Screening and Antioxidant Activity of Gyrinops Tea from Agarwood Plantation on Lombok Island, Indonesia</p> <p style="text-align: center;"><b>I G. A. S. Wangiyana, Supriadi, A. Nikmatullah, Sunarpi, D.S Putri</b> <i>Universitas Pendidikan Mandalika</i></p>
	<p><b>ICBB2020-024:</b> Response Of Three Maize (<i>Zea Mays</i> L.) Varieties to the Phonska Rates on Inceptosols of Lombok</p> <p style="text-align: center;"><b>IGM. Kusnarta and W. Sudika</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-023:</b> The Density Functional Theory Study of Astaxanthin-Metal Complex to Native and Glycated Human Serum Albumin</p> <p style="text-align: center;"><b>S. Wibowo, S. Widyarti, A. Sabarudin, DS Soeatmadji, SB Sumitro</b> <i>Brawijaya University</i></p>	<p><b>ICBB2020-011:</b> Phenol Contents, Vitamin C, and Hedonic Test Tatat Leaf Tea Like (<i>Bauhinia Sembifida</i>) from Different Preparation and Drying</p> <p style="text-align: center;"><b>Dian Fitriarni</b> <i>Politeknik Negeri Ketapang</i></p>
	<p><b>ICBB2020-037:</b> The Growth and Production Responses of Shallot (<i>Allium ascalonicum</i> L.) on The K Fertilizer Application in The Peat Land</p> <p style="text-align: center;"><b>Suparman and Twenty Liana</b> <i>Indonesian Agency for Agricultural Research and Development, Ministry of Agriculture</i></p>	<p><b>ICBB2020-089:</b> Estrogen Receptors Status and Its Correlation with Age , Tumor Size and Histologic Grade of Invasive Ductal Type Breast Cancer in West Nusa Tenggara</p> <p style="text-align: center;"><b>Fathul Djannah and Novrita Padauleng</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-007:</b> Laboratory Activities for Natural Product Chemistry</p> <p style="text-align: center;"><b>Aliefman Hakim, A. Wahab Jufri, Jamaluddin</b> <i>University of Mataram</i></p>

	<p><b>ICBB2020-001:</b> Design of Temperature and Humidity Control of Miniature Oyster Mushroom Using Wemos D1 Microcontroller Based on Internet of Things (IOT)</p> <p><b>Diah Ajeng Setiawati, Murad, Suryansa Gunali Utomo, Guyup Mahardhian, Dwi Putra</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-067:</b> The Effect of Tamsulosin and Dutasteride Combination Drug Therapy on Prostate Volume in Patients With Benign Prostatic Hyperplasia</p> <p><b>Pandu Ishaq Nandana, Lalu Rizky Adipura, Haerani Rasyid</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-058:</b> Genetic diversity of <i>Lithocarpus</i> sp. population at Taman Nasional Gunung Merapi based on RAPD analysis</p> <p><b>Maria Setiyo Cahyani, Purnamila Sulistyawati, AYPBC Widyatmoko, Suhendra Pakpahan, Dhira Satwika</b> <i>Universitas Kristen Duta Wacana</i></p>
	<p><b>ICBB2020-092:</b> Growth and Yield of Carrot Plants Under Eco-Friendly Cultivation Method: Effects of Variety, Potting Media and Planting Density</p> <p><b>Aluh Nikmatullah, M. Zaenuddin Syahril Sidiq, Riema Rimanda Putri, Rizkiani Dwi Lestari, Karwati Zawani, Khaerul Muslim, Herman Suheri</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-035:</b> The Association between Duration of Daily Contact and Working Period to extended-spectrum beta-lactamase Producing <i>Escherichia coli</i> (ESBL-Ec) Colonization in Poultry Workers, Teruwai Poultry Village</p> <p><b>EH Wardoyo, IW Suardana, IWS Yasa, IDM Sukrama, K Kuntaman, SAE John, E Triani</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-048:</b> The Effect Propolis Concentration on Chemical, Microbiological, and Organoleptic Qualities of Yoghurt</p> <p><b>M Amaro, Nazaruddin, N Rahmayani</b> <i>University of Mataram</i></p>
	<p><b>ICBB2020-040:</b> Improving Maize (<i>Zea mays</i> L.) Growth and Yield by the Application of Inorganic and Organic Fertilizers Plus</p> <p><b>Mulyati, Baharuddin A.B, Tejowulan R.S</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-080:</b> Anticancer Activity of <i>Curcuma xanthorrhiza</i> Active Compound in Cancer Cells via Bcl-2 Inhibition</p> <p><b>Nur Fitriana, Masruri, Muhaimin Rifa'i, Nashi Widodo</b> <i>Brawijaya University</i></p>	<p><b>ICBB2020-003:</b> The Richness and Diversity of Dragonfly Species at Various Habitat Types in Suranadi Natural Park, West Lombok, Indonesia</p> <p><b>Mohammad Liwa Ilhamdi, Agil Al Idrus, Didik Santoso</b> <i>University of Mataram</i></p>
15.30-15.45	Breakout Session		
<b>Parallel Session II</b>			
	<b>Host I</b>	<b>Host II</b>	<b>Host III</b>
	<b>Moderator :</b> <b>Prof. I Komang Damar Jaya, PhD</b>	<b>Moderator:</b> <b>Prof. Sulaiman Ngongu D, Ph.D</b>	<b>Moderator:</b> <b>Dr. Bambang Fajar Suryadi</b>
	<b>Room : Agriculture</b> <b>Code : AG</b>	<b>Room : Health</b> <b>Code : HS</b>	<b>Room : Natural Sciences</b> <b>Code : NS</b>
15.45-17.00	<p><b>ICBB2020-033:</b> Resistance of F1 Inter-specific Crosses Kenaf Results to Root-Knot Nematode (<i>M. incognita</i>)</p> <p><b>Parnidi, Naufal Zaki, Lita Soetopo, Damanhuri, Marjani</b> <i>Brawijaya University</i></p>	<p><b>ICBB2020-010:</b> Analisis Cytology Features With <i>Monocyte-Lymphocyte Ratio</i> of Limfadenitis Tuberculosis in West Nusa Tenggara</p> <p><b>Fathul Djannah, A.A Ngurah Bagus Nugraha, Catarina Budyono</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-002:</b> Comparison of Antimicrobial Activities of Ethanol Extract From Three Species of Ganoderma Original Lombok Island</p> <p><b>Faturrahman, Sukiman, Bambang Fajar Suryadi, Sarkono, Ernin Hidayati</b> <i>University of Mataram</i></p>
	<p><b>ICBB2020-076:</b> A Comparative Study on Assessing Rodent Damage Intensity in Rice Crop Based on Two Different Methods</p> <p><b>Rachmawati, Tedi Purnawan, Nur 'Aini Herawati</b> <i>Indonesian Center for Rice Research</i></p>	<p><b>ICBB2020-016:</b> Risk factors and characteristics of laryngeal carcinoma in the developing region of Indonesia</p> <p><b>Hamsu Kadriyan, Mochammad Alfian Sulaksana, I Gusti Ayu Trisna Aryani, Didi Yudhanto, Eka Arie Yuliani, Ida Lestari Harahap, AA Niti Wedayani</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-027:</b> Correlation Quantity of Fish Floating Cage and Water Quality With The Reduction of Endemic Fish in Maninjau Lake, West Sumatra</p> <p><b>Reni Nastuti, Tri Retnaningsih, Sudarno Utomo</b> <i>Diponegoro University</i></p>
	<p><b>ICBB2020-093:</b> Growth and Yield of Potato Plant (<i>Solanum Tuberosum</i> L.) in the Medium Latitude Treated With Biofertilizer Extragent</p> <p><b>Nurlaili, Aluh Nikmatullah, Mansur Mas'hum</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-020:</b> Characteristic of Postmortem Swab Probable Covid-19 Victim by Rapid Molecular Testing</p> <p><b>A Syamsun, H Kadriyan, FR Andi wijaya, I Hunaifi, NPS Lestari, SK Sari, H Mahaputra, B Setia</b> <i>University of Mataram</i></p>	

Time (GMT+8; AM)		13 <sup>th</sup> October 2020	
08.00-09.00	Registration	Committee	
09.00-09.30	Opening	MC: Hilda Astriana, S. Si., M. Si	
09.30-10.00	Keynote Speaker 3 (Prof. Akihiro Hazama MD, PhD)	Moderator: Prof. Ir. Sulaiman Ngongu D. Ph.D	
10.00-10.30	Keynote Speaker 4 (Prof. Jong-Min Lee, PhD)		
10.30-11.00	Keynote Speaker 5 (Eka S. Prasedya, PhD)		
11.00-12.00	QnA		
12.00-13.00	Breakout Session		
Parallel Session I			
	<b>Moderator:</b> Ir. Aluh Nikmatullah, PhD	<b>Moderator:</b> Anggit L Sunarwidhi, PhD. Apt.	<b>Moderator:</b> Prof. Sri Widyastuti, PhD
	<b>Room: Agriculture</b> Code : AG	<b>Room: Health Sciences</b> Code : HS	<b>Room: Natural Sciences</b> Code : NS
13.00-15.30	<b>ICBB2020-050:</b> Morpho-Physiological Responses of Brown Seeded Soybean Genotypes Under Low Light Intensity  <b>Kisman, IGP Muliarta Aryana, Bambang Budi Santoso, Lolita Endang Susilawati</b> <i>University of Mataram</i>	<b>ICBB2020-063:</b> The Potency and Conservation of Medicine Plants in Central Kalimantan  <b>Ronny Yuniar Galingging, Purwandari S, T. Hijrah</b> <i>Assessment Institute for Agricultural Technology (AIAT)</i>	<b>ICBB2020-021:</b> The Use of a Very Small Business-Scale Oven to Enhance the Quality of "Ready-to-eat" Beef Jerky  <b>Baiq Rien Handayani, Sri Widyastuti, Kertanegara, Asri Hidayati, Wiharyani Werdiningsih, Novitasari, Anugrah R Ekaputri</b> <i>University of Mataram</i>
	<b>ICBB2020-054:</b> Effects of Mycorrhiza Biofertilizer and Additive Intercropping with Peanut on Growth, Bulb Formation, N and P Contents of Several Varieties of Shallot  <b>Wayan Wangiyana, I Komang Damar Jaya, Sunarpi</b> <i>University of Mataram</i>	<b>ICBB2020-065:</b> Peculiar Growth of <i>Pseudomonas</i> sp. LS3K With the Addition of Untreated Tannery Wastewater  <b>Nanung Agus Fitriyanto, Wirasti Karenia Nursyahbani, Ragil Adi Prasetyo, Mohammad Zainal Abidin, Yuny Erwanto, Novita Kurniawati</b> <i>Gadjah Mada University</i>	<b>ICBB2020-043:</b> Observation of Heavy Metal Hazard on Processing Frozen Oilfish ( <i>Lepidocybium flavobrunneum</i> ) Fillets  <b>Yuliati H. Sipahutar, Widodo Sumiyanto, Rizqi Khaerudin, MR Suryanto</b> <i>Politeknik Ahli Usaha Perikanan</i>
	<b>ICBB2020-056:</b> Application of Silicon Foliar Spray to Increase Growth and Yield of Shallot ( <i>Allium Ascalonicum</i> L) Under Sprinkler and Furrow Irrigation System  <b>Lia Hadiawati, Titin Sugianti, Fitria Zulhaedar, Ahmad Suriadi</b> <i>Assessment Institute for Agricultural Technology, West Nusa Tenggara</i>	<b>ICBB2020-084:</b> Application of Crude Natural Enzymes for Extraction of Wali Seed [ <i>Brucea Javanica</i> (L) Merr]  <b>Handa Mulasari, Agus Dwi Ananto, Rizqa F. Deccati, Diva Almira, Solahuddin</b> <i>University of Mataram</i>	<b>ICBB2020-079:</b> Optimization of Mechanical Properties of Bioplastics with the Addition of ZnO and Glycerol Plasticizers  <b>Ida Ayu Widhiantari, Agriananta Fahmi Hidayat, Diah Ajeng Setiawati</b> <i>University of Mataram</i>
	<b>ICBB2020-034:</b> Ultrasound-assisted production of corn starch: Process design and optimization  <b>Rohmah Nur Fathimah, Ahmad Fawwaz Al Ishlahi, Muhammad Nur Cahyanto, Widiastuti Setyaningsih</b> <i>Gadjah Mada University</i>	<b>ICBB2020-031:</b> An Aphrodisiac compound found in wild Kemangi ( <i>Ocimum spp.</i> ) in Bali  <b>I Gede Putu Wirawan, Ida Ayu Dianggi, Maria Maliga Vernanades Sasadara, Ida Ayu Putri Darmawati, Nyoman Wijaya</b> <i>Udayana University</i>	<b>ICBB2020-022:</b> Good Agricultural and Postharvest Handling Practices of Cocoa Pods in Lombok to Meet Cocoa Bean Quality for Global Market  <b>Zainuri, Taslim Sjah, Nedia Prameswari, Wiharyani Werdiningsih, Tarmizi</b> <i>University of Mataram</i>
<b>ICBB2020-041:</b> Mungbean-Maize Rotation Improved Soil Properties and Maize Yield in a Dryland  <b>I Komang Damar Jaya, Sudirman, I Wayan Sudika</b>	<b>ICBB2020-049:</b> Effect of Giving <i>Rhizophora</i> Sp Mangrove Leaves Extract Against Reducing of Blood Glucose Levels in Mice <i>Mus musculus in-vivo</i>  <b>A Efendi, Aini, Idham Halid, Jumari</b>	<b>ICBB2020-086:</b> Investigation of Causes of Neonatal Mortality in Bali Cattle on Sumbawa Island  <b>M Sriasih, P J Back, W E Pomroy, S T Morris, R E Hickson,</b>	

	<i>University of Mataram</i>	<b>Ustiawaty</b> <i>Polytechnic of Medica Farma Husada</i>	<b>Dahlanuddin, L A Zaenuri, R Soebari, M Kurniawan, S Qamar</b> <i>University of Mataram</i>
	<b>ICBB2020-069:</b> Soil Nematodes of the Duku ( <i>Lansium domesticum</i> Corr.) Orchard in Tabalong District, South Kalimantan  <b>Betris Fitria Marga and Abdul Gafur</b> <i>Universitas Lambung Mangkurat</i>	<b>ICBB2020-009:</b> Profilling and Histopatology Features of Top Three Cassess of Extra Pulmonary Tuberculosis in West Nusa Tenggara  <b>Fathul Djannah</b> <i>University of Mataram</i>	<b>ICBB2020-090:</b> Bali Cattle Breeding in an Open Core Form Based on Group House in Lombok Island West Nusa Tenggara  <b>Bulkaini and Ahmad Jupri</b> <i>University of Mataram</i>
	<b>ICBB2020-029:</b> Developing Porang Agribusiness for Multiple Stakeholder Benefits and Supporting Sustainable Development in Dryland Areas of Lombok  <b>Taslim Sjah, Halil, I Ketut Budastra, I Gusti Lanang Parta Tanaya</b> <i>University of Mataram</i>	<b>ICBB2020-085:</b> Comparison of Digestion Methods for Determination of Selenium In Green Tea Samples Using Fluorescent Spectrometry  <b>Siti Raudhatul Kamali, Tsai Che Hao, Chen Chang-Nan</b> <i>Chaoyang University of Technology</i>	<b>ICBB2020-057:</b> The Effects of Fermenters and Incubation Periods on Chemical Composition of Mixtures of Rice Bran and Water Hyacinth Leaves  <b>Wahyu Karyani, Syamsuhaidi, K.G. Wiryawan</b> <i>University of Mataram</i>
15.30-15.45	Breakout Session		
<b>Parallel Session II</b>			
	<b>Moderator:</b> <b>Prof Sulaeman Ngongu D, PhD</b>	<b>Moderator:</b> <b>Anggit L Sunarwidhi, PhD, Apt.</b>	<b>Moderator:</b> <b>Prof. Sri Widyastuti, PhD</b>
	<b>Room: Health</b> <b>Code: HS1</b>	<b>Room: Health Sciences</b> <b>Code: HS2</b>	<b>Room: Natural Sciences</b> <b>Code: NS</b>
15.45-17.00	<b>ICBB2020-078:</b> Improvement Ejection Fraction After 11 Days Treatment in Pediatric Dilated Cardiomyopathy : Case Report  <b>Alief Abni Bernindra and Yusra Pintaningrum</b> <i>West Nusa Tenggara Province Hospital</i>	<b>ICBB2020-030:</b> Prevalence and Degree of Gastrointestinal Nematode Infection of Cidomo Horses in Mataram City, Indonesia  <b>Kunti Tirtasari, Candra Dwi Atma, Kholik</b> <i>Universitas Pendidikan Mandalika</i>	<b>ICBB2020-066:</b> Quality of Rabbitfish Sauce ( <i>Siganus</i> spp.) by the Addition of Pineapple Fruit Extract ( <i>Ananas comosus</i> ) Rich in the Enzyme Bromelain  <b>Mahrus, Agil Al Idrus, Abdul Syukur, Lalu Zulkifli</b> <i>University of Mataram</i>
	<b>ICBB2020-059:</b> Ear Disease Determination on Computer-Assisted Outer and Middle Ear Images <b>Hamsu Kadriyan, I Gede Pasek Suta Wijaya, Didit Yudhanto, Eka Arie Yuliani, Heru Mulyana</b> <i>University of Mataram</i>	<b>ICBB2020-075:</b> Overview of Fractures Caused by The 2018 Lombok Earthquake in the Radiology Department of North Lombok Regency West Nusa Tenggara Regency  <b>Fauzy Ma'ruf, Bachtiar Murtala, Muhammad Ilyas, Muhammad Hatta</b> <i>Unizar Mataram</i>	<b>ICBB2020-017:</b> Processed Milkfish Products (Milkfish Extract Thorns, Shredded Milkfish and Milkfish Meatballs) in Borimasunggu Village, Maros Regency  <b>Andi Abriana, Erni Indrawati, Rahmawati Rahman</b> <i>Bosowa University Makassar</i>
	<b>ICBB2020-061:</b> Evaluation of Dietary Antioxidant Intake of School Age Children in ASGM Area Sekotong West Lombok  <b>Ardiana Ekawanti, Seto Priyambodo, Deasy Irawati, Rifana Cholidah</b> <i>University of Mataram</i>	<b>ICBB2020-060:</b> Evaluation of Feeding Program for Infants and Children (PMBA) for Stunting Children in Lombok  <b>Lina Nurbaiti, Gede Wira Buanayuda, Nurpudji Astuti, Taslim, Mochammad Hatta, Agussalim Bukhari</b> <i>University of Mataram</i>	<b>ICBB2020-038:</b> In-Vitro Anthelmintic Activities Of Shrub Plants Extracts For ( <i>Haemonchus Contortus</i> ) Worms  <b>Rendi Fathoni Hadi, E Handayanta, S.D. Widyawati, A. Hanifa, W.P.S Suprayogi, Sudibya, Sudyono</b> <i>Universitas Sebelas Maret</i>
		<b>ICBB2020-077:</b> Sick Sinus Syndrome and Reccurent Hypoalbuminemia in Alcoholic Cardiomyopathy : a Case Study  <b>Yusra Pintaningrum and Baiq Widaning</b> <i>University of Mataram</i>	



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	<b>Moderator:</b> <b>Ir. Aluh Nikmatullah, PhD</b>	<b>Moderator:</b> <b>Eka S Prasedya, PhD</b>	<b>Moderator:</b> <b>Prof. Ir. H. Sunarpi, PhD</b>
	<b>Room: Agriculture</b> <b>Code : AG</b>	<b>Room: Marine Science</b> <b>Code : MS</b>	<b>Room: Natural Sciences</b> <b>Code : NS</b>
	<b>ICBB2020-062:</b> Can Organic Soil Ameliorant and Liquid Fertilizer Improve Maize Yield and Reduce Inorganic Fertilizer Input in a Semi-arid?	<b>ICBB2020-071:</b> Effect of elevated temperature on the physio-biochemical responses of <i>Kappaphycus alvarezii</i> (Rhodophyta)	<b>ICBB2020-081:</b> Effect of Virgin Coconut Oil-Orange Juice Ratio on the Stability and Viscosity Properties of the Emulsion
	<b>I Komang Damar Jaya, Herman Suheri, Wayan Wangiyana</b> <i>University of Mataram</i>	<b>Y.N. Kumar, S.W Poong, C.Gachon, J.Brode, A.Sade, P.E Lim</b> <i>Malaya University</i>	<b>Lastri Wiyani, Andi Aladin, Rahmawati, Mustafiah</b> <i>Universitas Muslim Indonesia, Makassar</i>
	<b>ICBB2020-072:</b> Spikelet Sterility and Yield of Aerobic Rice <b>Lia Hadiawati, J. Mitchell, S.Fukai</b> <i>Assessment Institute for Agricultural Technology, West Nusa Tenggara</i>	<b>ICBB2020-070:</b> Comparative Analysis of Transcriptional Regulation in Tropical and Polar Green Algae under Heat Stress <b>S-W. Poong, K.K Lee, P.E Lim, C.H Yang, T.W Pai</b> <i>Malaya University</i>	<b>ICBB2020-046:</b> The Expired Bread Substitution and Its Effect on the Blood Profile Goat PE <b>Aqni Hanifa and Susi Dwi Widyawati</b> <i>Universitas Sebelas Maret</i>
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POSTERS

<p>Posters will be available in the website <a href="http://icbb2020.unram.ac.id">icbb2020.unram.ac.id</a> from 12<sup>th</sup> October 2020</p>	<p><b>ICBB2020-039:</b> Bioactivity of neem seed oil mixed with Pyroligenous acid from rice husks against <i>Spodoptera litura</i> <b>Arief Heru Prianto, Didi Tarmadi, Budiawan, Yuki Yulizar, Partomuan Simanjutak</b> <i>University of Indonesia</i></p>
<p><b>ICBB2020-018:</b> The utilization of traditional biotechnology and genetic resources in Pharmaceutical Industry: Indonesia's social and legal context <b>Dwi Martini, Diman Ade Mulada, Dewi Sartika</b> <i>University of Mataram</i></p>	<p><b>ICBB2020-012:</b> Implementation of cites 1973 in Indonesia (Study on shark fishing in Tanjung Luar Fish Auction, East Lombok, West Nusa Tenggara) <b>Erlies Septiana Nurbani, J. Johny Koynja, Diva Pitaloka, Zunnuraeni</b> <i>University of Mataram</i></p>

The certificate features a decorative blue and gold border. At the top center, it displays the logos of the University of Mataram and the 3rd ICBB 2020. The main title 'Certificate' is prominently displayed in a large, serif font. Below the title, the conference details are provided: '3<sup>rd</sup> International Conference on Bioscience and Biotechnology "Bioscience and Biotechnology Research for Environmental Sustainability"'. The recipient's name, 'Lalu Zulkifli, Abdul Syukur, Lalu Raftha Patech', is listed under the heading 'This Certificate is proudly Awarded to'. The role 'As Presenter' is also specified. The event location and dates, 'University of Mataram 12-14th October 2020', are noted. The certificate is signed by the Rector of the University of Mataram, Prof. Dr. H. Lalu Husni, SH., M.Hum., and the Chair of the conference, Prof. Ir. H. Sunardi, Ph.D. At the bottom, it lists the collaborating institutions: Fukushima Medical University, University of Malaya, Massey University, and Nanyang Technological University.

 

# Certificate

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IOP Conference Series: Earth and Environmental  
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**3rd international conference on bioscience and biotechnology 12th-14th October 2020, Lombok, Indonesia**

Accepted papers received: 09 March 2021

Published online: 01 April 2021

Preface: Proceedings of the 3<sup>rd</sup> International conference on bioscience and biotechnology (3<sup>rd</sup> ICBB 2020), 12<sup>th</sup> – 14<sup>th</sup> October 2020

Prof. Ir. H. Sunarpi, PhD

*Chairman of ICBB2020 Organizing Committee*

This issue of IOP conference proceedings contains papers presented at the 3rd International Conference on Bioscience, Biotechnology and Biometrics (ICBB) 2020 conducted on 12<sup>th</sup> and 14<sup>th</sup> October 2020. It covers a broad range of research in the field of agriculture, bioscience, health and food science which relates to environmental sustainability. The COVID-19 pandemic situation made the organizers conduct the conference through online. The conference was hosted by Lab of Bioscience and Biotechnology, University of Mataram, Indonesia.

Interactive online presentations were arranged through Zoom Video Communications for the participants to present their ideas. The conference was divided into two main sessions: Main session for Keynote speakers and Panel Sessions for participants. A time of 30 minutes was given for Keynote speakers to present their fabulous work. For panel session, 10 minutes were given for participants to share their research and findings. A total of 102 participants from Universities, Research Institutes and also Government Departments joined the conference. All the selected papers were peer reviewed by expert reviewers in a single blind review system as per the review policy given by IOP Conference Series.

List of Conference Photograph, CONFERENCE ORGANIZERS are available in this pdf.

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**3rd international conference on bioscience and biotechnology IOP Conf. Series: Earth and Environmental Science 712 (2021) 011002IOP Publishing  
doi:10.1088/1755-1315/712/1/0110021**

Peer review declaration

All papers published in this volume of IOP Conference Series: Earth and Environmental Science have been peer reviewed through processes administered by the Editors. Reviews were conducted by expert referees to the professional and scientific standards expected of a proceedings journal published by IOP Publishing.

- Type of peer review: The review process is conducted by single-blind review
- Conference submission management system: The conference submission management system was conducted via online manuscript management system [manuscriptlink.com/conferences/icbb2020](https://manuscriptlink.com/conferences/icbb2020) and email ([pubb.icbb2020@unram.ac.id](mailto:pubb.icbb2020@unram.ac.id))
- Number of submissions received: Number of submissions received were 102 manuscripts
- Number of submissions sent for review: Number of submissions sent for review were 64 manuscripts
- Number of submissions accepted: Number of submissions accepted are 51 manuscripts
- Acceptance Rate (Number of Submissions Accepted / Number of Submissions Received X 100): Average acceptance rate 50%.
- Average number of reviews per paper: The average number of reviews per paper were 3 rounds of reviews
- Total number of reviewers involved: The total number of reviewers involved were 8
- Any additional info on review process:
- Contact person for queries: (please include name, affiliation and email address)  
Eka Sunarwidhi Prasedya, PhD. , University of Mataram, [ekasprasedya@unram.ac.id](mailto:ekasprasedya@unram.ac.id)

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[Optimization of mechanical properties of bioplastics with the addition of ZnO and glycerol plasticizer](#)

I A Widhiantari, A F Hidayat and D A Setiawati

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[Peculiar growth of \*Pseudomonas\* sp. LS3K with the addition of untreated tannery wastewater](#)

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M M V Sasadara and I G P Wirawan

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W Wedashwara, A H Jatmika, AZubaidi and I W A Arimbawa

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[Growth and resistance of F1: the results of kenaf interspecific crosses to root-knot nematode \(\*Meloidogyne incognita\*\)](#)

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M Sriasih, P J Back, W E Pomroy, S T Morris, R E Hickson, Dahlanuddin, L A Zaenuri, R Soebari, M Kurniawan and S Qamar

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[The trend of hemoglobin levels in nasopharyngeal cancer patients treated with chemotherapy in low human development index region in Indonesia](#)

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[Observation of heavy metal hazard on processed frozen escolar \(\*Lepidocybium flavobrunneum\*\) filets](#)

Y H Sipahutar, W Sumiyanto, P S T Panjaitan, R Sitorus, T F C Panjaitan and R Khaerudin

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[Preliminary study of black aspergilli inhabiting \*Piper\* rhizosphere from Eka Karya Botanical Garden, Bedugul Bali](#)

M Ilyas, D A Nurcahyanto, Y Yuliani, W Mangunwardoyo and I Hidayat

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