



Opportunity To

Change The World via

Agrotechnology Research

Sustainability

UNIMAS
Agrotechnology
Faculty of Resource Science
and Technology

Research
and
Development

Food
Security

Improved Farming Practices: Agrotechnology research provides farmers with knowledge and tools to adopt best practices. This includes efficient irrigation methods, soil health management, post-harvest technologies, and precision farming techniques. By promoting sustainable and efficient farming systems, agrotechnology enhances farm profitability and livelihoods.

Innovation and Collaboration: Agrotechnology research fosters collaboration among scientists, researchers, farmers, and industry stakeholders. This interdisciplinary approach encourages knowledge sharing, technological advancements, and innovation in agricultural practices. By promoting open dialogue and partnerships, agrotechnology research accelerates progress and ensures the adoption of cutting-edge solutions

Food Security: Agrotechnology research plays a crucial role in developing innovative techniques and technologies to enhance agricultural productivity. By improving crop yields and optimizing resource utilization, such as water, fertilizers, and land, agrotechnology helps to meet the growing global demand for food.

Sustainability: Agrotechnology research focuses on developing sustainable farming practices that minimize environmental impact. Through precision agriculture techniques, farmers can make informed decisions about when and where to apply inputs, reducing waste and environmental pollution. This research also explores alternative energy sources and water conservation methods, ensuring the efficient use of resources

Pest and Disease Management: Agrotechnology research aims to combat pests, diseases, and invasive species that pose significant threats to crop health and yield. By developing integrated pest management strategies, including the use of biopesticides, natural predators, and disease-resistant crops, agrotechnologists help minimize crop losses and reduce the reliance on chemical inputs

AGROTECH EXPERTS

POSTHARVEST TECHNOLOGIES

Dr. Surisa Phornvillay

SOIL IMPROVEMENT AND MANAGEMENT

Dr. Mohamad Hilmi Ibrahim

CROP PHYSIOLOGY AND AGRONOMY

Dr. Hollena Nori

MUSHROOM CULTIVATION AND BIOTECHNOLOGY

Dr. Mohamad Hasnul bin
Bolhassan

CROP PROTECTION AND PEST MANAGEMENT

Dr. Freddy Yeo Kuok San
Dr. Walftor Bin Dumin

SMART FARMING TECHNOLOGY

Ts. Dr. Bernard Maringgal



Talk to Our Expert....



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SOME OF AGROTECH RECENT WORKS






Environmental and Experimental Botany
Volume 205, January 2023, 105100



Inducible chemical defenses in wild mungbean confer resistance to *Spodoptera litura* and possibly at the expense of drought tolerance

Yi-Ju Chen^{a,1}, Boon Huat Cheah^{b,1}, Chih-Yu Lin^c, Yu-Ting Ku^a, Cheng-Hsiang Kuo^a, Yuan-Yun Zhang^a, Bing-Rong Chen^a, Olga Nean^a, Cheng-Han Hsieh^d, Pei-Min Yeh^e, Freddy Kuok San Yeo^f, Ya-Ping Lin^g, Wen-Po Chuang^b, Cheng-Ruei Lee^{a,e}, Hieng-Ming Ting^{a,h}  

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Original Paper | Published: 03 September 2022

Genotype and organ effect on the occupancy of phyllosphere prokaryotes in different rice landraces

Freddy Kuok San Yeo , Yin Hui Cheok, Wan Nurainie Wan Ismail, Felicia Fui Kueh-Tai, Tommy Tsan-Yuk Lam & Yee Ling Chong

Archives of Microbiology 204, Article number: 600 (2022) | [Cite this article](#)

154 Accesses | [Metrics](#)

Abstract

> Int J Med Mushrooms. 2022;24(7):1-19. doi: 10.1615/IntJMedMushrooms.2022044313.

Bibliometric Analysis of Mushroom Poisoning: From Diversity to Clinical Management

Jason Kar Seng Tang¹, Chia Wei Phan², Yee Shin Tan³, Vikineswary Sabaratnam⁴, Jaya Seelan Sathiyaseelan⁵, Mohamad Hasnul Bolhassan⁶

Affiliations + expand

PMID: 35993958 DOI: 10.1615/IntJMedMushrooms.2022044313

Abstract

The earliest publication related to mushroom poisoning dates back to 1837. To date, bibliometric analysis related to the field of mushroom poisoning has not been published. This study aimed to assess the most significant publications in this field as well as the associated trends and important



Berita Sarawak Malaysia Dunia Politik Perniagaan Sukan Kolum Gaya Hidup Bahasa

Inovasi produk berasaskan dabai, majukan sektor makanan berasaskan pertanian Sarawak

By Febright James · #bm Berita Sarawak Ekonomi May 1, 2023 Leave a comment

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KUCHING, 1 Mei: Dasar Ekonomi Digital yang diperkenalkan Premier Sarawak, Datuk Patinggi Tan Sri Abang Johari Tun Openg diyakini berupaya membantu menjadikan Sarawak sebagai pengeksport dan pengeluar utama buah-buahan tempatan.

Hal ini diperkasa menerusi inisiatif kerajaan negeri yang melaksanakan proses pemodenan aktiviti pertanian di Sarawak, khususnya melalui penggunaan teknologi pintar dalam meningkatkan produktiviti dan kualiti, selain membantu meneroka pasaran yang lebih luas.

Menurut pakar penyelidik dari Fakulti Sains dan Teknologi Sumber, UNIMAS, Dr Bernard Maringgal, terdapat beberapa alternatif yang boleh dilaksanakan untuk meningkatkan pengeluaran buah-buahan khususnya buah-buahan bermusim seperti dabai.



Dr Bernard Maringgal ketika ditemu-bual TVS. Foto: Mohammed Rafiq (TVS)

Home > International Journal of Recycling of Organic Waste in Agriculture > Article

Original Research | [Open Access](#) | Published: 01 October 2019

Growth performance of roselle (*Hibiscus sabdariffa*) under application of food waste compost and Fe₃O₄ nanoparticle treatment

Syahnaz Ad-Din Naquib bin Shuhaimi, Devagi Kanakaraju , Hollena Nori

International Journal of Recycling of Organic Waste in Agriculture 8, 299–309 (2019) | [Cite this article](#)

3512 Accesses | [Metrics](#)

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Think About it...

“If Agriculture Goes Wrong, Nothing
Else Will Have A Change To Go
Right”