PUAN AKMAL ADILAH BINTI IDRIS (00858A)
PENSYARAH UNIVERSITI (TETAP)
FACULTY OF AGRO BASED INDUSTRY
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A. PERSONAL DETAILS

UMK JOIN DATE	01-Jan-2013
DATE OF APPOINTMENT FOR CURRENT POSITION	12-Jan-2009
DATE OF CONFIRMATION FOR CURRENT POSITION	06-Oct-2015
EDUCATION(S)	• **() UNIVERSITI MALAYA** IJAZAH SARJANA MUDA • **()** INTERNATIONAL ENGLISH LANGUAGE TESTING SYSTEM • **(2008) OSAKA PREFECTURE UNIVERSITY, SAKAI CITY** IJAZAH SARJANA PLANT BIOSCIENCE APPLIED LIFE SCIENCES (PLANT BIOSCIENCE) • **(1997) SEK. MEN. KEB. HAMZAH** SPM
GROUP OF EXPERTISE	• Acclimatised Plants (Including Spices, Industrial, Herbal, Horticulture and Agronomic Crops) (F0703020101) • Evolutionary Biology (F0703011601) • Gene Expression Analyses (F0703011112) • Genetic Mutation and Polymorphism (F0703011006) • Other Plant and Tree Physiology, Genetics and Improvement N.E.C (F0703010399)
AWARD(S)	• Award Name: **Norman E. Borlaugh Fellowship (2016)** Awarded by: Borlaug Fellowship Program, USDA Foreign Agricultural Services
WORKING EXPERIENCE(S)	• Lecturer | University of Malaya 01-Jul-2008 - 01-Dec-2008 • Pensyarah Sementara | Pusat Asasi Sains, Universiti Malaya 01-Jul-2008 - 31-Dec-2008 • Research Officer | University of Malaya 01-Jan-2009 - 01-Dec-2012
PROFESSIONAL MEMBERSHIP(S)	• PERSATUAN GENETIK MALAYSIA | MEMBER | NATIONAL 31-Jul-2024 - 31-Jul-2025

B. TEACHING-LEARNING ACTIVITIES

	• FAE20203 - AGROECOLOGY • FAT10103 - INTRODUCTION TO GENETICS • FAT20203 - PLANT PHYSIOLOGY • FAT20503 - PLANT BREEDING • FAT30103 - INTEGRATED PEST MANAGEMENT • FFT1033 - GENETIC AND BIOLOGY MOLECULAR • FFT1073 - INTRODUCTION TO GENETICS • FFT4082 - STUDENT IN ENTERPRISE PROGRAMME • FPE3183 - AGROECOLOGY

COURSES TAUGHT	• FPE3233 - ENVIRONMENT EDUCATION • FPE3253 - AGRIBUSINESS AND ENTREPRENEURSHIP • FPT2084 - BIOLOGY OF ECONOMIC CROPS • FPT3143 - CROP PROTECTION • FPT3213 - RESEARCH PROJECT I • FPT3263 - PLANT BREEDING • FPT4193 - AGRICULTURE MARKETING • FPT4223 - RESEARCH PROJECT II • FPT4248 - INDUSTRIAL TRAINING • FST30303 - RESEARCH PROJECT I • FST40103 - RESEARCH PROJECT II • FTE4283 - AGRICULTURAL WASTE MANAGEMENT • FTT3263 - RESEARCH PROJECT I • FTT4273 - RESEARCH PROJECT II • MFT00203 - BIOLOGY

C. RESEARCH AND DEVELOPMENT

JOURNAL(S)	1. Mohd Fauzie Jusoh, Muhammad Nurfaiz Abd Kharim, Fatimah Kayat, Tengku Halimatun Sa¿adiah T Abu Bakar, Akmal Adilah Idris, Abdul Muttalib M.F., Abdullah F.A., Löytty T.. (2025-05). Discovering Research Landscape and Emerging Trends of Compost Implementation with the Internet of Things via Bibliometric Analysis. Journal of Advanced Research Design , Vol. 128(1) , pp. 100 - 115. https://doi.org/10.37934/ard.128.1.100115
PROCEEDING(S)	1. Muhammad Iqbal Mohamed Rashidi, Muhammad Yusri Md Shafi'i, Muhammad Nurfaiz Abd Kharim, Akmal Adilah Idris, Raimi Mohamed Redwan, Fatimah Kayat. (2026). Effect of Different Types of Planting Media and Monosodium Glutamate (MSG) on the Growth Performance of Eggplants Using Fertigation System. In IOP Conference Series: Earth and Environmental Science . Institute of Physics. https://doi.org/10.1088/1755-1315/1592/1/012002 2. Mohamad Azmin, Nur Azwani, Fadzil, Norsyafiera Syuhada, Tuan Harith, Z., Abdul Wahab, Ikarastika Rahayu, Akmal Adilah Idris, Muazzam, KAAR, Saidan, N.H., Abdul Rahman, N.H., Naher, L.. (2024). Macronutrient composition, antioxidant and antibacterial properties of Pleurotus pulmonarius¿s fruiting body vs. stem waste. In BIO Web of Conferences . EDP Sciences. https://doi.org/10.1051/bioconf/202413105033 3. Muhammad Nurfaiz Abd Kharim, Fatimah Kayat, Raimi Mohamed Redwan, Akmal Adilah Idris. (2024). Predictive assessment of pineapple chlorophyll content using proximal sensing and visible bands through ground & UAV inspection. In IOP Conference Series: Earth and Environmental Science . https://doi.org/10.1088/1755-1315/1426/1/012001 4. Zul Ariff, A.L, K Fatimah, Zakaria S., I Akmal Adilah, Abu Bakar, T.H.S.T., A Mohammad Amizi. (2021). Youth Perception towards Being an Orchid Entrepreneur. In 1st International Conference on Design Innovation, Social Science and Technology (ICDISST2020) . https://doi.org/10.1063/5.0051511
BOOK(S)	1. Fatimah Kayat, Muhammad Nurfaiz Abd Kharim, Akmal Adilah Idris, Kumara Thevan Krishnan. (2023). Field Manual Biology of Economic Crops. Smart Research and Marketing (IP0565590-T).
CHAPTER(S)	1. Palsan Sannasi Abdullah, Siti Nuurul Huda Mohammad Azmin, Zul Ariff Abdul Latiff, Ch'ng Huck Ywih, Ahmad Saufi Mohd Nawi, Muhammad Nurfaiz Abd Kharim, Akmal Adilah Idris. (2024). Socio-Economic Empowerment of a Poor Community through Biochar: A Social Enterprise Initiative in Jeli, Kelantan, Malaysia. In Building Inclusive Communities Through SDGs and SSE Initiatives (pp. 98-112). Persatuan Promosi Matlamat Pembangunan Lestari (Society for Promotion of Sustainable Development Goals).
OTHER(S)	
RESEARCH(S)	1. CHEMICAL CHARACTERIZATION AND POTENTIAL BIOACTIVITIES OF PLUEROTUS PULMONARIUS BYPRODUCTS WASTE FROM THE MUSHROOM FARMING INDUSTRY. | MEMBER | FRGS | 2021 2. EFFECT OF CORN BIOCHAR ON THE GROWTH PERFORMANCE OF DENDROBIUM SP. | HEAD | UMK-FUND | 2021 3. IDENTIFICATION OF ENHANCEMENT TECHNIQUE FOR MASS PROPAGATION OF TISSUE CULTURED BANANA SEEDLINGS | MEMBER | FRGS | 2015 4. JELI FOOD FARM VALLEY (JFFV): TANAMAN SAYUR-SAYURAN SERTA TANAMAN KONTAN SECARA FERTIGASI DAN INTEGRASI | MEMBER | UMK | 2021 5. PEMBANGUNAN USAHAWAN ORKID DI KALANGAN GRADUAN, BAKAL GRADUAN, DAN GOLONGAN BELIA TEMPATAN MELALUI KEMAHIRAN KULTUR TISU, PENJAGAAN NURSERI DAN PEMASARAN ORKID | MEMBER | MOF | 2020 6. PENGGUNAAN LADANG PINTAR IR4.0 (SISTEM IOT FERTIGASI) UNTUK MAKMAL LATIHAN PENGURUSAN LADANG & PROJEK USAHAWAN SISWA | MEMBER | UMK-TELRIC | 2022 7. PENINGKATAN SKALA PENGHASILAN PRODUK TERBITAN BIORANG KE ARAH PEMERKASAAN EKONOMI KOMUNITI SETEMPAT SECARA MAMPAN BAGI MENGURUS KEMISKINAN MELALUI PERUSAHAAN SOSIAL | MEMBER | KERAJAAN | 2022

SUPERVISION	
RESEARCH AWARD (S)	

D. CONSULTATION

CONSULTATION(S)	

E. COMMUNITY SERVICES

COMMUNITY SERVICES	