

POST-GRADUATE RESEARCH

Faculty of Agriculture and Food Sciences UPM Bintulu Sarawak Campus



THE FACULTY

On 10 August 1974, Universiti Putra Malaysia Bintulu Sarawak Campus (UPMKB) began as a temporary campus in Semenggok, Kuching, Sarawak. The campus expanded, and in June 1987 it was moved to a permanent location in Bintulu, Sarawak. In 1992, however, it was temporarily closed.

It was operational again in November 2001, based on UPM 2001-2010 third strategic plan which was to upgrade UPM into an international center for agriculture, bioresource studies and services. UPMKB's main focus is in agribio fields such as agriculture, forestry, fishery, livestock, food and environment.

UPMKB is situated just 13 km from the town of Bintulu. It is 715.16 hectares, and surrounded by lush green forest rich in many different types of flora and fauna. Its modern facilities can house up to 1,500 students.

UPMKB is a branch campus of UPM with one faculty, the Faculty of Agriculture and Food Sciences. This faculty comprises five academic departments: Department of Crop Science, Department of Forestry Science, Department of Social Sciences, Department of Basic Science and Engineering, and Department of Animal Science and Fishery. The faculty offers various Diploma, Bachelor, Master with thesis and PhD programmes.

RESEARCH AREAS

Agronomy
Entomology
Horticulture
Land Resource Management
Plant Pathology
Forestry
Aquaculture
Aquatic Biology
Marine Ecology and Biology
Plant Biotechnology
Microbial Biotechnology
Microbiology
Chemistry
Analytical Chemistry
Environment Chemistry

RESEARCH FACILITIES

1. Analytical Laboratory
2. Aquatic Biology Laboratory
3. Chemistry Analysis Laboratory
4. Cyro-preservation and Tissue Culture Laboratory
5. Entomology Laboratory
6. Forest Maturation and Genetic Laboratory
7. Language Laboratory
8. Microbiology Laboratory
9. Molecular Biology Laboratory
10. Pathology Laboratory
11. Soil Science Laboratory



For further information, contact :

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RESEARCH TITLE

- ❖ Rice Genotype Selection and Improvement for Sustainable Rice Production on Shallow Peat Soils in Sarawak – Assoc. Prof. Dr. Rajan Amartalingam
- ❖ Management of Termites (*Coptotermes* spp.) Infestation in Oil Palm on Peat in Sarawak – Assoc. Prof. Dr. Joseph Bong Choon Fah
- ❖ Development of Organically Based Potassium Foliar Fertilizer from Peat Soils of Malaysia - Dr. Osumanu Haruna Ahmed
- ❖ Development of Techniques for Improving Quality of Pots and Roofing Tiles from Soil Clays and Feldspars – Dr. Osumanu Haruna Ahmed
- ❖ Potential of *Amorphophallus borneensis* and *Amorphophallus hewittii* (F: Araceae; SF: Thomsonae) for the Development of New Industrial Crop – Make Anak Jiwan
- ❖ Development and Evaluation of Functional Support Post for Pepper (*Piper nigrum*) Cultivation - Make Anak Jiwan
- ❖ Biology and Management of the Fruit-Piercing Moth, *Eudocima* (= *Othreis*) *fullonia* in a Citrus Orchard - Dr. Stephen Leong Chan Teck
- ❖ Biopesticides Formulation for Control of Root-Knot Nematodes (*Meloidogyne* spp.) in Pepper Vines (*Piper nigrum*) - Dr. Stephen Leong Chan Teck
- ❖ Host-Pest Relationship and Biocontrol of Fruit-Piercing Moth (*Eudocima fullonia*) - Franklin Ragai Kundat
- ❖ Induction of Root Growth and Disease Resistance in Pepper (*Piper nigrum*) Cutting through Microbial Inoculation - Franklin Ragai Kundat
- ❖ In-vitro Callus Induction and Plants Regeneration from Anthers of Bario Rice - Michael Gregory Timfrick Banta
- ❖ Effect of Light Intensity and Growth Medium on Domestication of *Boesenbergia stenophylla* (Jerangau Merah) and *Zingiber kelabitanum* (Tubu Beraksia) as Pot Plants – Sinsoon Jabu
- ❖ Isolation and Characterization of Diazotrophic Growth Promoting Rhizobacteria from Rhizosphere of Pepper Vine (*Piper nigrum*) - Zakry Fitri Abd Aziz
- ❖ Ethnobotanical Study on Aquatic Macrophytes Used by Indigenous Peoples – Assoc. Prof. Dr. Muta Harah Zakaria@Ya
- ❖ Biology of *Trapa* Plants – Assoc. Prof. Dr. Muta Harah Zakaria@Ya
- ❖ Indoor and Outdoor Culture of Tropical Sponggrass, *Halophila ovalis* R. Brown - Prof. Dr. Japar Sidik Bujang
- ❖ Biology and Diversity of Carnivorous Plants, *Utricularia* Species from Wetland Habitats - Prof. Dr. Japar Sidik Bujang
- ❖ Isolation and Molecular Identification of Microbes in UPM Bintulu Campus - Dr. Wong Sing King
- ❖ Environmental Impact of Timber Harvesting System on Peat Swamp Forest in Sarawak - Dr. Seca Gandaseca
- ❖ Vesicular Arbuscular Mycorrhizas Diversity of Forested Area in Bintulu, Sarawak – Dr. Ong Kian Huat
- ❖ Ecology of Fruit-Piercing Moth, *Eudocima* (= *Othreis*) *fullonia* in an Adjacent Forest to a Citrus farm in Kuching Division, Sarawak - Roland Kueh Jui Heng
- ❖ Site Selection and Burrowing System by Porcupines in Agricultural Area and Secondary Forest - Marina Mohd. Top @ Mohd. Tah
- ❖ Sarawak Rice Cultivars Cross-Breeding Study by Applying Molecular Marker for Cultivars Identification and Differentiation - Wong Sie Chuong
- ❖ Identification and Differentiation of Sarawak Rice Cultivars Using Microsatellite Markers - Wong Sie Chuong
- ❖ Sago Effluent Treatment through Selective Microbial Enhancement from Sago Activated Sludge - Dr. Hamdan Musa
- ❖ Preparation of Dextrins from Sago Starch Through Alcoholysis Prior to Hydrolysis - Dr. Yiu Phang Hung
- ❖ Documentation of Agroforestry in Sungai Asap, Belaga - Syarifah Kamariah Wan Mohammad
- ❖ Kesan Amalan Tradisi Masyarakat Kaum Penan Terhadap Pengekalan Hutan Hujan Tropika Di Sarawak - Abdul Halim Abdul Kadir
- ❖ Emotional Intelligence and Leadership Effectiveness of Managers in the Oil Palm Estates of Sarawak: The Mediating Effect of Effective Leadership Practices – Aryaty Alwie
- ❖ Kesan Pembalakan Terhadap Sumber Perikanan Mapan Bagi Penduduk Di Sepanjang Batang Balui Bintulu - Jawan Anak Angi
- ❖ Ekonomi Pertanian Islam: Kajian Penggunaan Tanah Untuk Pertanian Komersial Dan Penternakan Masyarakat Islam Bahagian Sri Aman - Dr. Mohd Daud Awang
- ❖ Kajian ke atas Faktor-Faktor Yang Menghalang Daya Saing Usahawan: Perbandingan Di Antara Usahawan Bumiputera Dan Bukan Bumiputera Di Bintulu, Sarawak – Ismawati Sharkawi