

## INTRODUCTION

IKP is an institute that brings together researchers of different expertise in UPM to assist Malaysian plantation industry and government-related agencies in upstream and downstream activities of plantation crops. Various aspects are covered including:

Enhancing quality of plantation crops through efficient production system and good agricultural practices

Bioeconomy-Bio-based products with wide range of applications to boost economy

Development of agricultural mechanization systems and model for a modern, high-technology farm production structure

Bio-sensing and instrumentation on production technologies focusing on harvesting, grading, processing and storage of plantation products

Development of safer food products from plantation crops using environmentally friendly technology

Production of green industrial products using renewable raw materials and clean energy

### Our goals is:

To provide consultancy services to the plantation sector

To commercialize research findings and technology relevant to plantation industry

To conduct basic and applied research in upstream and downstream activities of plantation industry

To produce competitive postgraduate in plantation studies

To provide continuous Professional Development (CPD) to plantation executives

## ADMISSION REQUIREMENT

### MASTER DEGREE PROGRAM

The applicant should possess:

- ▶ A Bachelor's degree with a minimum CGPA of 2.75 in a relevant field; *or*
- ▶ A Bachelor's degree with CGPA of 2.50-2.74 in a relevant field and minimum of 3 years working experience; *or*
- ▶ A Bachelor's degree or equivalent in a relevant field with CGPA of 2.00-2.49 shall have a minimum of 5 years working experience in a relevant field and pass an internal assessment; *or*
- ▶ Candidates without relevant qualifications or working experience but meet the minimum CGPA of 2.00 must pass an internal assessment and required to take appropriate prerequisite course(s).

### DOCTORAL DEGREE PROGRAM

The applicant should possess:

- ▶ A Master's degree with research/course work in a relevant field; *or*
- ▶ Other equivalent qualifications with a Master's degree recognized by the Malaysian government; *or*
- ▶ Candidates without relevant qualifications or working experience must pass an internal assessment and required to take appropriate prerequisite course(s); *or*
- ▶ A Bachelor's degree with minimum CGPA of 3.75 or equivalent to First Class and pass an internal assessment.

## FIELD OF STUDY

IKP offers both Master and Doctoral degree programme with thesis in the respective fields of study based on the three laboratories:

### Laboratory of Sustainable Agronomy and Crop Protection (SACP)

1. Pest Management
2. Plant Pathology
3. Plant Biotechnology
4. Sustainable Plantation Management
5. Agribusiness
6. Agricultural Economics
7. Agricultural Genomics
8. Bioinformatics and System Biology
9. Molecular Biology and Genetic Engineering
10. Molecular Biotechnology

### Laboratory of Plantation System Technology and Mechanization (PSTM)

1. Agricultural Mechanization and Automation
2. Agricultural Process Engineering
3. Agricultural Technology
4. Plantation Technology

### Laboratory of Processing and Product Development (PPD)

1. Chemical Engineering
2. Green Engineering
3. Energy
4. Catalysis
5. Environmental Biotechnology
6. Industrial Biotechnology
7. Microbial Biotechnology
8. Microbiology

# INDUSTRIAL LINKAGES



Malaysian Palm Oil Board (MPOB)



Malaysian Rubber Board (MRB)



Sime Darby Plantation Berhad (SDPB)



Federal Land Development Authority (FELDA)



Pertubuhan Peladang Kawasan (PPK) Bakri, Muar, Johor



Rubber Industry Smallholders Development Authority (RISDA)



Environment and Plant Protection Institute, Chinese Academy of Tropical Agricultural Sciences (EPPI-CATAS), Hainan, China



All Cosmos Industries Sdn Bhd



UMW M&E Sdn Bhd



Skymind Holdings Berhad



AHN Vertex Sdn Bhd



# INSTITUTE OF PLANTATION STUDIES

## POSTGRADUATE PROGRAMMES

For further details on Postgraduate Programmes at IKP and information regarding available financial assistance, please contact:

Postgraduate Unit  
Institute of Plantation Studies (IKP)  
Universiti Putra Malaysia  
43400 UPM Serdang, Selangor

Tel: 603-9769 4260  
Email: [ikp@upm.edu.my](mailto:ikp@upm.edu.my)



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