



## **Group Leader Milling & Waste Management Technology**

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### **INTEREST:**

- Implementation of industrial revolution 4.0 in palm oil mill process
- Total palm oil mill waste management
- Value addition of palm oil mill by products

### **EDUCATION:**

- Master of Engineering Science, UM
- Bachelor of Engineering (Chemical), UTM

### **AREA OF RESEARCH:**

- Technologies for improving palm oil productivity
- Artificial intelligence system for determining oil palm fresh fruit bunch ripeness and quality
- New chemicals for recovering valuable components from oil palm

### **AREA OF EXPERTISE:**

- Production of crude palm oil
- Treatment and control of palm oil mill waste