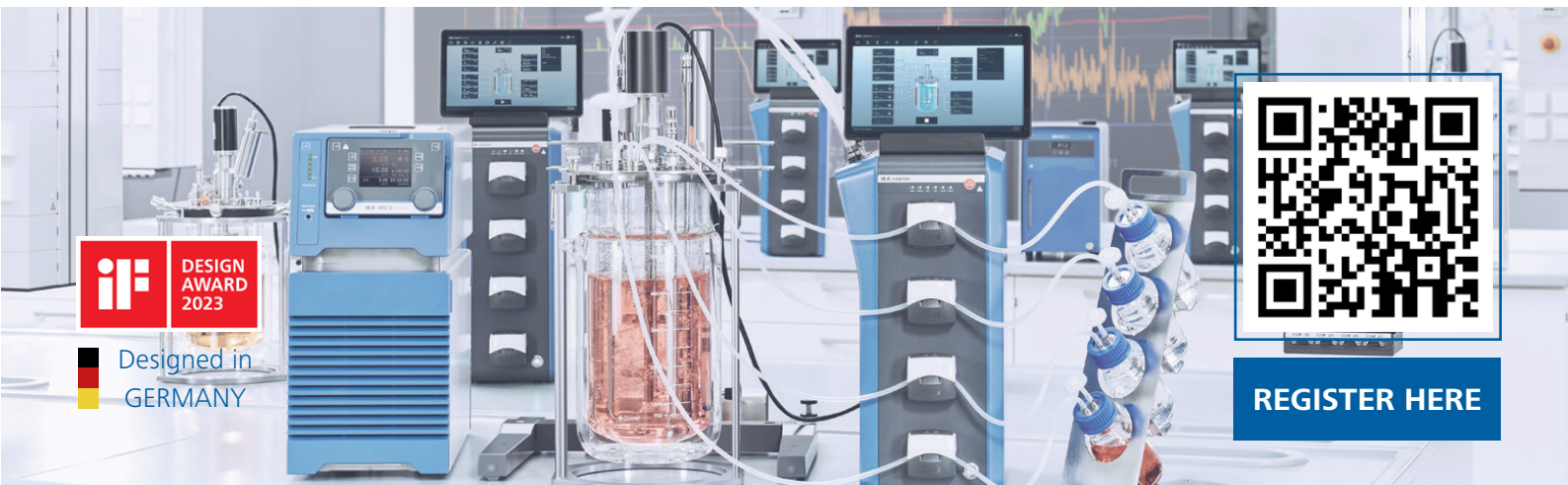




اوتورسيتي مليسيا فهغ السلطان عبد الله  
UNIVERSITI MALAYSIA PAHANG  
AL-SULTAN ABDULLAH

# IKA

designed for scientists



## IKA Bioreactor Workshop: From Theory to Practical

**Date & Time:** 9 -10 February 2026 (Monday & Tuesday), 09:00AM - 05:00PM

**Venue:** Mini Theater & Bioprocess Laboratory, Faculty of Industrial Sciences and Technology (FIST), UMPSA Gambang

IKA Malaysia, together with the Faculty of Industrial Sciences and Technology (FIST), UMPSA Gambang, warmly invites you to join our two-day intensive bioreactor workshop.

### Benefits

1. Provide theoretical and practical exposure related to the comprehensive handling, optimization and maintenance of bioreactors.
2. Enhance participant's skills in identifying, controlling and effectively troubleshooting bioreactor related to the operational issues.
3. Support the development of highly skilled human capital in the field of biotechnology to meet research and industry needs.

### FEES

RM500 per individual.

RM450 for UMPSA staff.

Please kindly send the payment proof to Dr. Mohd Azwan Bin Jenol (azwanjenol@umpsa.edu.my).

For payment inquiries, please contact him.

### Guest Speaker



**DR. NOR HASMALIANA  
BINTI ABDUL MANAS**

Industrial Biotechnology (BSB)  
Universiti Malaysia Pahang  
Al-Sultan Abdullah



**DR. MOHD AZWAN  
BIN JENOL**

Industrial Biotechnology (BSB)  
Universiti Malaysia Pahang  
Al-Sultan Abdullah



**DR. SHORIYA ARUNI  
BINTI ABDUL MANAF**

Industrial Biotechnology (BSB)  
Universiti Malaysia Pahang  
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### IKA Works (Asia) Sdn Bhd

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**Time**

**Activity**

**Day 1, 9 February 2026**

09:00 AM - 09:15 AM	Opening speech by Head of Cluster BioSphere Research
09:15 AM - 09:45 AM	<b>Talk 1 : Introduction to Fermentation and Bioprocessing</b> Speaker: Dr. Nor Hasmaliana Abdul Manas, FIST UMPSA Gambang
09:45 AM - 10:00 AM	Tea break
10:00 AM - 11:00 AM	<b>Talk 2 : Bioreactor: Principles, Current Technology &amp; Applications</b> Speaker: Ms. Amber Ong, IKA Works (Asia)
11:00 AM - 12:00 PM	<b>Talk 3: Optimization &amp; Scale – up Strategies</b> Speaker: Dr Mohd Azwan Jenol, FIST UMPSA Gambang
12:00 PM - 02:00 PM	Lunch break
02:00 PM - 04:00 PM	<b>Hands on Session I: Inoculation from Shake flask to Bioreactor</b>
04:00 PM	Tea break & End

**Day 2, 10 February 2026**

09:00 AM - 09:30 AM	<b>Talk 3: Optimizing Laboratory Processes with IKA Life Science Solutions</b> Speaker: Ms Amira Adlin Roslan, IKA Works (Asia)
09:30 AM - 09:45 AM	Tea break
09:45 AM - 10:45 AM	<b>Talk 4: Troubleshooting and Contamination Prevention in Bioreactor Operation</b> Speaker: Dr Shoriya Aruni Abdul Manaf, FIST UMPSA Gambang
10:45 AM - 12:00 PM	<b>Hands on Session II: Sampling and Feeding Strategies</b>
12:00 PM - 02:00 PM	Lunch break
02:00 PM - 04:00 PM	<b>Hands on Session III: Sample Analysis</b>
04:00 PM	Photo session, Tea break & End