



## 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  
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DR. MOHD AZWAN  
BIN JENOL

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DR. SHORIYA ARUNI  
BINTI ABDUL MANAF

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### IKA Works (Asia) Sdn Bhd

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designed for scientists

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 **Talk 1 : Introduction to Fermentation and Bioprocessing**

Speaker: Dr. Nor Hasmaliana Abdul Manas, FIST UMPSA Gambang

09:45 AM - 10:00 AM Tea break

10:00 AM - 11:00 AM **Talk 2 : Bioreactor: Principles, Current Technology & Applications**

Speaker: Ms. Amber Ong, IKA Works (Asia)

11:00 AM - 12:00 PM **Talk 3: Optimization & Scale – up Strategies**

Speaker: Dr Mohd Azwan Jenol, FIST UMPSA Gambang

12:00 PM - 02:00 PM Lunch break

02:00 PM - 04:00 PM **Hands on Session I: Inoculation from Shake flask to Bioreactor**

Tea break & End

**Day 2, 10 February 2026**

09:00 AM - 09:30 AM **Talk 3: Optimizing Laboratory Processes with IKA Life Science Solutions**

Speaker: Ms Amira Adlin Roslan, IKA Works (Asia)

09:30 AM - 09:45 AM Tea break

09:45 AM - 10:45 AM **Talk 4: Troubleshooting and Contamination Prevention in Bioreactor Operation**

Speaker: Dr Shoriya Aruni Abdul Manaf, FIST UMPSA Gambang

10:45 AM - 12:00 PM **Hands on Session II: Sampling and Feeding Strategies**

12:00 PM - 02:00 PM Lunch break

02:00 PM - 04:00 PM **Hands on Session III: Sample Analysis**

04:00 PM Photo session, Tea break & End