



UNIVERSITI
MALAYA

IChemE

ADVANCING
CHEMICAL
ENGINEERING
WORLDWIDE



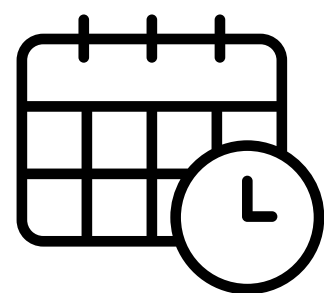
NACES 2023

NACES 2023

NATIONAL CHEMICAL ENGINEERING SYMPOSIUM 2023

RULES & REGULATION

TECHNICAL VIDEO COMPETITION



16 - 17 December 2023



**Universiti Malaya (UM),
Kuala Lumpur**

THEME

Mainstreaming Lab-grown Food: Chemical Engineers to the rescue!

Population growth, land scarcity, climate change, and food security are all interrelated global issues that are placing great strain on the planet. By 2050, there will be 9.7 billion people on the planet, and the need for food is anticipated to rise. However, with approximately 40% of the land on the planet being used for agriculture, we are already facing a land shortage. Extreme weather events and shifting weather patterns are making the problem worse and reducing crop yields and food production. Food security as a result is becoming harder to maintain, especially in developing nations. We must come up with sustainable methods that boost food production while reducing their negative effects on the environment to address these issues. Sustainable agricultural methods, reducing food waste, promoting plant-based diets, and the development of technology like lab-grown food might all be part of the solutions.

Chemical engineers are essential to the advancement and acceptance of food produced in laboratories. They are well positioned to address the technical difficulties of scaling up cell-based meat production since they are experts in the design and optimisation of chemical processes. This theme will explore the interdisciplinary nature of lab-grown food production, highlighting the critical role that chemical engineers play in developing and optimising the various stages of the process, from cell cultivation to final product formulation. It will also look into the difficulties the industry is currently facing, such as the need to create sustainable, cost-efficient production methods that fulfil high requirements for food safety and quality. The theme will emphasise the most recent advancements in food production from lab-grown sources and their possible effects on the environment and the food sector. Overall, the theme will give participants a forum to interact and debate how chemical engineering may help develop a future food system that is sustainable.



OBJECTIVES

1

Encourage participants to brainstorm creative and innovative ideas related to the field of Food Technology that can contribute to the world and society in the near future.

2

Provide open opportunities to participants who are future engineers to showcase their critical thinking skills on ideas displayed in the video and also video editing skills.

COMPETITION DESCRIPTION

- It is a **GROUP** competition.
- This competition will be conducted via **ONLINE**.
- Participants in this competition must create a video that demonstrates the topic relating to the competition's theme, which will be announced during the participant briefing session on **21 October 2023**.
- Each team should describe the relation of the topic to the theme according to their perspective and explain the role of chemical engineers in solving the current issue(s) in the video.
- Each team should pick one process/solution to elaborate specifically how the selected process/solution can help in mitigating the current problem. Creativity, environmental impact, and economic value should be taken into consideration.

ELIGIBILITY

1

Participants must be **full-time undergraduate students** enrolled in the **Chemical Engineering Program** (or equivalent) offered by one of the participating universities/ institutions.

2

Participants must submit an **APPROVED** original copy of their **student identity card (Matric Card)** together with the **LATEST module registration** file.

3

Each participant is only allowed to participate in **ONE (1) physical mode competition** and **ALL online mode competitions** are allowed to participate.

4

Each participant in a team must be from the **SAME** university/institution.



FORMAT //

1

Video Guideline

- Language of video content : English
- Maximum length of video: 5 minutes
- Video format : MP4 or wmv
- Minimum Resolution : 1280 x 720 (720p)
- Video should begin with an introduction of :
 - Title of video
 - Name of university/campus
 - Team Name
 - Team Member's Name
- Video should be ended with:
 - References in APA Format

2

Cover page and Summary Guideline

- A summary of **NOT MORE THAN 250 words** regarding the video is required to be attached along with the video submission together with the cover page.
- The cover page and summary need to be **strictly followed** according to their respective format as stated below.



NACES 2023

TECHNICAL VIDEO

FORMAT //

4

Cover page Format

- 1. Title of Video**
- 2. Name of University/Institution**
- 3. Team Name**
- 4. Name and IC Number (Malaysian) or Passport Number (Non-Malaysian) of team members (Leader followed by team members)**
- 5. Contact number and email address (Leader followed by team members)**

FORMAT

5

Summary Format

National Chemical Engineering Symposium (NACES) 2023

Technical Video Competition

Name of University/Institution

Title of Video

Summary

Team Name

Team Members Name (Leader's name followed by members' name)

- Summary and cover page templates will be provided during the briefing session on **21 October 2023**.



TECHNICAL VIDEO

// RULES & REGULATION

- Each campus is entitled to send a maximum of **FIVE (5)** teams. Each team must consist of **THREE (3)** members only.
- Each team is entitled for **ONE (1)** submission only.
- The videos must be of original work. Plagiarism is **STRICTLY PROHIBITED**.
- Political and '3R'- Race, Religion and Royalty contents are **NOT ALLOWED**.
- Entries which do not comply with any of the rules and video guidelines stated will be **DISQUALIFIED AUTOMATICALLY**.
- Upon the video submission, any modification on the video contents is not allowed. Evaluators have the right to penalise the participating team for the change of contents.

SUBMISSION GUIDELINE

1

Submission deadline: 23 November 2023 11:59 pm

2

Submissions can only be made one week before the submission deadline (18 November 2023 12:00 am- 23 November 2023 11:59pm).

3

Submission Platform: Google Drive

The link of Google Drive will be provided during the briefing session on 21 October 2023.

4

Format:

Title of Video_ University Name_ Team Name

- **Example: Lab-grown Food_ UM_ Team1**

5

The video must be submitted in the required format together and reached the organiser (via email) before the submission deadline.



SUBMISSION GUIDELINE

6

Email: admin_jkk.event@um.edu.my

7

Email Subject:

[TVC]_University Name_Team Name

- Example: [TVC]_UM_Team1

8

Include the link of the video in Google Drive, summary and cover page in the email. Please ensure the summary and cover page have been converted into a PDF file.

9

All successful receipt if submissions will be notified via the provided email within 3 working days. If the participants do not receive any reply from us, please do not hesitate to contact the organiser.

SCORING

1

Content [40%]

- **Relevancy**

- Video content should closely address the competition's theme and topic.

- **Originality and Uniqueness**

- Original and unique ideas of video.

- **Accuracy of information**

- Information presented in the video should be accurate.

- **Sequence of content**

- Video conveys message effectively with logical sequence.

SCORING

2

Quality of video [40%]

- **Production quality**

- Video and audio quality, editing techniques, transitions.

- **Innovation and Creativity**

- Creative approaches, novel ideas or inventive solutions presented in an engaging and captivating manner.

- **Visual Presentation**

- Visual appeal, creativity.

- **Overall Impression**

- Overall impact of video presentation.

SCORING

3

Message delivery [20%]

- **Clarity and organisation**

- **Video conveys a message effectively in a clear and concise manner.**

- **Engagement and impact**

- **Video content is engaging, inspire and leave a lasting impression.**

RESULT

The winners of the competition will be informed one week earlier to come to the NACES 2023 Closing Ceremony on 17 December 2023 for a prize giving session.

PRIZES

TECHNICAL VIDEO



RM 300



RM 200



RM 100

Top three winning teams will receive trophies and cash prizes.

All entries will be given a certificate of participation.



TECHNICAL VIDEO

IMPORTANT NOTES

Each participant must agree to be bound by the official contest rules. The organizer has all the rights to eliminate or disqualify any participants that violate the guidelines as stated above. Such actions may be taken by the host without any prior notice.

The judges' decisions are final and any appeals to the decisions will not be entertained.

Participants must complete the registration form by **18 October 2023 11: 59 pm to be eligible for participation.**

Any changes on the confirmed participants' list must be informed before **20 October 2023 11:59 pm.**



IMPORTANT NOTES

Organiser will hold the right to publish submitted presentations for future publications without prior notice to the participants. Kindly notify the organiser if you have a patent or copyright reserved.

Registration fees are non-refundable.

The contents of this booklet are subjected to amendment and improvisation. Participants will be notified when the amendments are made.

CONTACT INFORMATION



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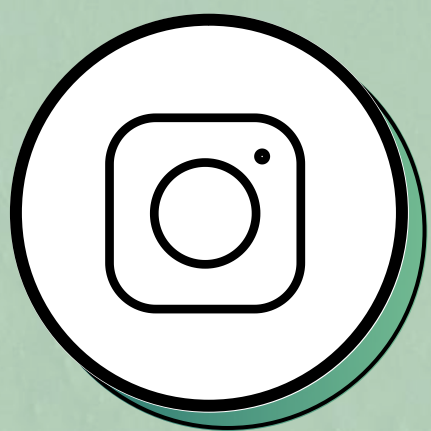
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<https://umevent.um.edu.my/NACES2023>



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