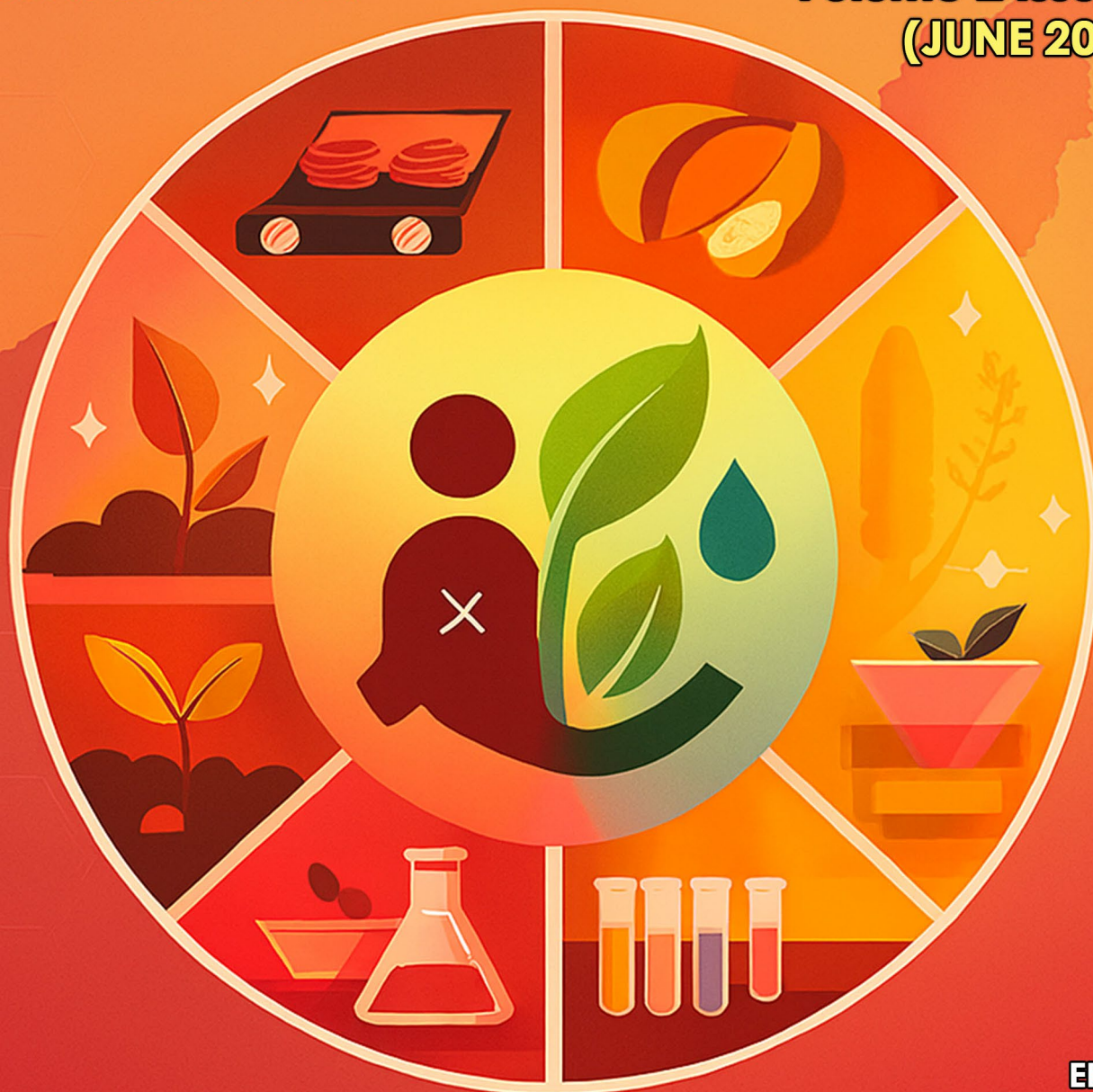


# Malaysian Journal of BIOENGINEERING AND TECHNOLOGY

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## Preface

As the editor-in-chief, I am delighted to present Issue 2, Volume 2, 2025 of the Malaysian Journal of Bioengineering and Technology (MJBET). This issue presents six studies focused on sustainable materials and environmental engineering. Topics include electrocoagulation treatment of suspended particles in UMK Lake, guanine-modified rice husk silica for advanced material characterisation, and hydrogel optimisation from banana stem cellulose. Other papers explore gold cyanide recovery using resin and activated carbon, anatomical and chemical analysis of *Leucaena leucocephala* wood for pulp applications, and the effect of banana peel–TiO<sub>2</sub> hybrid fillers on polymer weathering. Together, these works highlight Malaysia's innovation in bio-based solutions and resource recovery.

The MJBET is also committed to supporting the National Biotechnology Policy 2.0, launched by the Malaysian government in September 2022. The policy outlines the strategic directions and initiatives to enhance the development and commercialisation of biotechnology in Malaysia. The MJBET hopes to contribute to this national agenda by disseminating high-quality research and fostering collaborations among local and international stakeholders. Starting 2025, MJBET will be published four annual issues, which are in March, June, September and December.

I want to express my sincere gratitude to all the authors, reviewers, editorial board members, and staff who have contributed to the successful launch of this journal. I would also like to thank Universiti Malaysia Kelantan for its support and endorsement of this journal. Finally, I hope that the readers will find this journal useful and informative and that they will cite and take advantage of the publications in this journal.

Muhammad Azwadi Sulaiman  
Editor-in-chief  
Malaysian Journal of Bioengineering and Technology

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## **Acknowledgement for Reviewers**

MJBET would like to acknowledge our peer reviewers, who are listed below, for their contributions. Their time and expertise help us tremendously to improve the scientific quality of submitted manuscripts.

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Issue 2

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