



Outstanding Young Chemist Award 2024

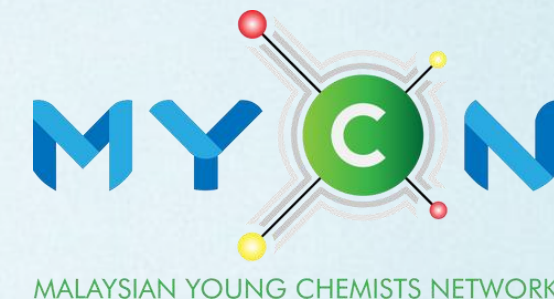
Winner Showcase Seminar

Date : Friday, 17 May 2024

Time : 3 PM - 4 PM MYT

Venue : Level 3, Anggerik Room, Institute Advance Studies, Universiti Malaya

Chair : Prof ChM Dr Phang Sook Wai (TAR UMT)





ChM Dr Gan Chee Yuen

Analytical Biochemistry Research Centre
Universiti Sains Malaysia

**IKM Outstanding Young Chemist
Award 2023 Winner (Academic)**



Peptide Chemistry for Designing Bioactive Peptide

Targeted enzyme inhibitory peptides present a promising avenue for the development of novel therapeutic agents targeting diabetes. However, a deeper understanding of their mechanisms and properties is imperative. In this comprehensive study, inhibitory peptides from the databases and recent publications were collected to conduct a thorough structure-activity relationship analysis, focusing on identifying reactive residues and enzyme binding sites. In addition, the amino acid preferences, and their positioning at different terminals on peptides, including the ultimate, penultimate, and antepenultimate positions were also assessed. These data also provided insights into peptide-enzyme interactions via docking analysis. By consolidating these findings, this study offers essential and practical information for the design and discovery of plant peptide-based anti-diabetic agents.



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Ts ChM Dr Yeoh Beng Hoong

Division of Industry Development
Malaysian Timber Industry Board (MTIB)

**IKM Outstanding Young Chemist
Award 2023 Winner (Industry)**



Researcher role in Malaysian Timber Industry: Navigating Innovation, Green, Sustainability, and Quality

As the Malaysian timber industry undergoes transformative changes, the role of the researcher becomes pivotal in steering innovation, promoting green practices, ensuring sustainability, and maintaining product quality. This presentation delves into the multifaceted responsibilities of researchers within the timber industry. We explore the latest advancements in timber-based innovative products and technologies, emphasizing environmentally friendly practices and sustainable sourcing. Additionally, the discussion encompasses the researcher's contribution to quality control processes, addressing challenges and opportunities in timber production.



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