

ESTEEM Academic Journal is an official academic publication of UNIVERSITI TEKNOLOGI MARA (UiTM) Pulau Pinang. ESTEEM provides an avenue for academicians and researchers to contribute and share their vast knowledge, ideas and opinions. This journal, which publishes original articles based on a broad general area, serves as a platform for scholars to disseminate information and latest findings on innovation in science and technology. Thus, ESTEEM welcomes unpublished academic manuscripts that contribute to the advancement of knowledge in engineering, science & technology. In order to maintain the quality of this journal, its editorial board has adopted an established policy of double blind review process consisting of at least two peer reviewers per manuscript.

ESTEEM started its first print in year 2003 and has been published semi-annually since 2008. Previously, the first issue is focused on the field of engineering, science and technology, which make it appearance in June. The second issue, which is published around December, consists of collection of manuscripts related to the field of social sciences. In certain occasions, special issues are published around the month of March and September. Starting for the year 2017, ESTEEM will be split into; **ESTEEM Academic Journal** will focus on Science and Technology with the theme is *Innovation in Science and Technology*; and

[ESTEEM Journal of Social Sciences and Humanities](#)

(EJSSH)

will focus on social sciences issues. In 2021, ESTEEM Academic Journal is published biannually in March and August every year. Anyhow due to numerous request, starting 2022 we publish biannually in March and September.

SCOPE of publication

ESTEEM Academic Journal is a peer-reviewed open access journal that focuses on innovation in Science and Technology that covers areas and disciplines as follows:

- **Engineering**
- **Computer and Information Sciences**

- **Health and Medical Sciences**
- **Applied Sciences**
- **Application in Mathematics and Statistics.**

The journal is published **TWICE** a year and manuscripts may be submitted once the call-for-paper is announced.

Call for Papers: ESTEEM Academic Journal Volume 20, September 2024

Dear Authors,

We would like to invite you to submit your valuable manuscripts for publication in the ESTEEM Academic Journal , UiTM Pulau Pinang, Volume 20, September 2024.

ESTEEM Academic Journal is a peer-reviewed open access journal that focuses on Innovation in science and technology that covers areas and disciplines of Engineering, Computer and Information Sciences, Health and Medical Sciences, Applied Sciences and Application in Mathematics and Statistics.

It is our pleasure to announce that ESTEEM is indexed in MyCite. Thus, we would like to invite

you to submit your quality manuscript for our next publication. We will adopt a new OJS system from UiTM OJS for manuscript submission and a new EAJ journal template beginning in December 2023. For further information, please see the manuscript submission menu.

NO PUBLICATION FEE!

VOLUME 20, MARCH 2024 

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[Development of an electrochemical immunosensor using gold nanoparticles \(AuNPs\) for the detection of apolipoprotein AI \(ApoAI\) in chicken blood plasma](#)

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[Flood damage cost prediction using random forest](#)

Ainul Najwa Azahari, Norlina Mohd Sabri

[Biopolymer-based composite adsorbent beads for the removal of methylene blue dyes](#)

Anis Nazira Alizan, Faraziehan Senusi, Nurulhuda Amri, Mohammad Shahadat

[The optimization of sodium hydroxide \(NaOH\) pre-treatment for reducing sugar production from rice husk using response surface methodology \(RSM\)](#)

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[Free fatty acid-rich oils as potential benign organic solvent for dyes removal in solvent extraction system](#)

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