

MALAYSIAN JOURNAL OF
Medicine and Health Sciences
Vol. 17 No. SUPP12, Dec 2021
Supplementary Issue:
4th International Symposium of Public Health

MALAYSIAN JOURNAL OF

Medicine and Health Sciences

Vol. 17 No. SUPP12 / Dec 2021

*Supplementary Issue:
4th International
Symposium of Public Health*

Malaysian Journal of Medicine and Health Sciences Vol. 17 No. SUPP12, Dec 2021



Faculty of Medicine and Health Sciences
Universiti Putra Malaysia
43400 UPM Serdang
Selangor Darul Ehsan
Malaysia
<http://medic.upm.edu.my/>

UPM Press
Universiti Putra Malaysia
43400 UPM Serdang
Selangor Darul Ehsan
Malaysia
<http://penerbit.upm.edu.my>

PENERBIT
UPM
UNIVERSITI PUTRA MALAYSIA
P R E S S



A scientific journal published by Universiti Putra Malaysia Press

About the Journal

The Malaysian Journal of Medicine and Health Sciences (MJMHS) is published by the Faculty of Medicine and Health Sciences, Universiti Putra Malaysia. The main aim of the MJMHS is to be a premier journal on all aspects of medicine and health sciences in Malaysia and internationally. The focus of the MJMHS will be on results of original scientific research and development, emerging issues and policy analyses pertaining to medical, biomedical and clinical sciences. The Malaysian Journal of Medicine and Health Sciences is now indexed in the following data bases: Scopus, EBSCOhost, ISC, and Rubriq.

Editorial Board

Editor in Chief:

Prof. Dr. Normala Ibrahim

Members:

Prof. Dr. Rukman Awang Hamat

Prof. Dr. Christopher Lim Thiam Seong

Prof. Dr. Ching Siew Mooi

Prof. Dr. Sharmili Vidyadaran

Assoc. Prof. Dr. Rajesh Ramasamy

Assoc. Prof. Dr. Sethu Thakachy Subha

Assoc. Prof. Dr. Loh Su Peng

Assoc. Prof. Dr. Nor Afiah Mohd Zulkefli

Assoc. Prof. Dr. Wan Aliaa Wan Sulaiman

Assoc. Prof. Dr. Ling King Hwa

Assoc. Prof. Dr. Habibah Abdul Hamid

Assoc. Prof. Dr. Zubaidah Nor Hanipah

Assoc. Prof. Dr. Intan Hakimah Ismail

Assoc. Prof. Dr. Ho Yu Bin

Assoc. Prof. Dr. Karmegam Karuppiyah

Assoc. Prof. Dr. Subapriya Suppiah

Lead Guest Editor:

Prof. Dr. Trias Mahmudiono

Guest Editors:

Dr. Inge Dhamanti

Dr. Arief Hargono

Technical Coordinator:

Dr. Tan Kit Aun

International Advisory Board

Prof. Dr. Pierce Anthony Grace

Prof. Dr. David Isaacs

Prof. Dr. P. Ronan O'Connell

Prof. Dr. Graham Alexander Mc Gregor

Prof. Dr. Tan Ser Kiat

Prof. Dr. Gregory Y.H. Lip

Prof. Dr. Roger Pepperell