VNU JOURNAL OF SCIENCE: MEDICAL AND PHARMACEUTICAL SCIENCES

Editorial Board Chairman

Truong Vu Bang Giang Vietnam National University, Hanoi, Vietnam

Editorial Board on Medical and Pharmaceutical Sciences

Managing Editors

Nguyen Thanh Hai - VNU University of Medicine and Pharmacy, Hanoi, Vietnam
Dinh Doan Long - VNU University of Medicine and Pharmacy, Hanoi, Vietnam
Le Ngoc Thanh - E Hospital, Hanoi, Vietnam

Associate Editors

Le Quang Cuong - Hanoi Medical University, Hanoi, Vietnam Sang - Cheol Chi - Gachon University, South Korea Seijiro Honma - Kanazawa University, Japan

Duong Thi Ly Huong - VNU University of Medicine and Pharmacy, Hanoi, Vietnam

Pham Thi Minh Hue - Hanoi University of Pharmacy, Hanoi, Vietnam

Mac Dinh Hung - VNU University of Science, Hanoi, Vietnam

Vu Manh Hung - Buon Ma Thuot University, Buon Ma Thuot, Vietnam

Le Thanh Hai - Vietnam National Children's Hospital, Hanoi, Vietnam

Mai Trong Khoa - Bach Mai Hospital, Hanoi, Vietnam

Pham Trung Kien - VNU University of Medicine and Pharmacy, Hanoi, Vietnam

Sun Yeou Kim - Gachon University, South Korea

Vo Thi Thuong Lan - VNU University of Science, Hanoi, Vietnam

Nguyen Van Noi - VNU University of Science, Hanoi, Vietnam

Phuong Thien Thuong - National Institute of Medicinal Materials, Hanoi, Vietnam

Nguyen The Toan - VNU University of Science, Hanoi, Vietnam

Pierre Van de Weghe - Université Rennes 1, France

Secretary

Nguyen Hong Ngoc Bui Thanh Tung

VNU Journal of Science, Hanoi, Vietnam VNU University of Medicine and Pharmacy, Hanoi, Vietnam

Tel.: (84) 984938131; Tel.: (84) 904429676;

Aims and Scope

VNU Journal of Science: Medical and Pharmaceutical Sciences publishes double-blinded peer-review research papers, communications and reviews dealing with: Basic medical and pharmaceutical sciences, Clinical medicine and pharmacy, Dentistry, Drug, Economics of health care, Health sciences, Medicine, Medical practice, Nursing, Public health, Pharmaceuticals, Pharmaceutical sciences, Pharmaceutical policy.

Publication Information

The journal publishes *quarterly in March, June, September, December* by the Vietnam National University, Hanoi. As a fully open access publication, the journal will provide maximum exposure for published articles, making the research available to all to read and share. A corresponding print version is also available.

Any manuscript followed the journal's scope and author guideline will be assigned to managing editors. All manuscripts undergo an editorial screening and a double-blinded peer review by at least one independent expert in the field. The managing editors make an editorial decision, which is subject to endorsement by the Editor-in-Chief.

Further Information is available through the journal website:http://js.vnu.edu.vn

Publication Permit No 223/GP-BTTTT, issued on Jul. 22^{nd} 2014 and Permit (Revised) No 62/GP-BTTTT, issued on Jan. 29^{th} 2021. Printed at Su That Printing House, No 201 Cau Dien Street, Bac Tu Liem District, Hanoi, Vietnam. Legal Deposit: Quarter IV/2023.