

**Executive Deputy Editor-in-Chief**

Truong Vu Bang Giang  
Vietnam National University, Hanoi, Vietnam

**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;
E-mail: ngocnh@vnu.edu.vn	E-mail: tungasia82@gmail.com

---

**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<sup>nd</sup> 2014 and Permit (Revised) No 62/GP-BTTTT, issued on Jan. 29<sup>th</sup> 2021. Printed at Su That Printing House, No 201 Cau Dien Street, Bac Tu Liem District, Hanoi, Vietnam. Legal Deposit: Quarter IV/2021.