

VNU JOURNAL OF SCIENCE: EARTH AND ENVIRONMENTAL SCIENCES

Editor-in-Chief

Nguyen Huu Duc
Vietnam National University, Hanoi, Vietnam

Deputy Editor-in-Chief

Hoang Van Quang Truong Vu Bang Giang
VNU Journal of Science, Hanoi, Vietnam Vietnam National University, Hanoi, Vietnam

Managing Editors

Truong Quang Hai - VNU University of Science, Hanoi, Vietnam
Phan Van Tan - VNU University of Science, Hanoi, Vietnam

Associate Editors

Edvin Aldrian - University of Indonesia, Indonesia
Le Huy Ba - Industrial University of Hochiminh City, Vietnam
Tran Quoc Binh - VNU University of Science, Hanoi, Vietnam
Dang Kim Chi - Hanoi University of Science and Technology, Vietnam
Tran Thanh Hai - Hanoi University of Mining and Geology, Vietnam
Luc Hens - Leuven University, Belgium
Nguyen Cao Huan - VNU University of Science, Hanoi, Vietnam
Martin Kappas - Göttingen University, Germany
Doo - Chul Kim - Okayama University, Japan
Claude Albert Lepvrier - Earth Sciences Institute of Paris, France
Nguyen Kim Loi - Nong Lam University - Hochiminh City, Vietnam
Tran Nghi - VNU University of Science, Hanoi, Vietnam
Mai Trong Nhuan - VNU University of Science, Hanoi, Vietnam
Roger K. Smith - University of Munich, Germany
Fredolin Tangang - National University of Malaysia, Malaysia
Phan Trong Trinh - Institute of Geological Sciences, VAST, Vietnam
Dinh Van Uu - VNU University of Science, Hanoi, Vietnam
Nguyen Van Vuong - VNU University of Science, Hanoi, Vietnam

Secretary

Chu Thai Ha Tran Van Truong
VNU Journal of Science, Hanoi, Vietnam VNU University of Science, Hanoi, Vietnam
Tel.: (84) 942541975 Tel.: (84) 888124868
E-mail: thaihavnu2015@gmail.com E-mail: tranvantruong@hus.edu.vn

Aims and Scope

VNU Journal of Science: Earth and Environmental Sciences publishes *double-blinded* peer-review research papers, communications and reviews dealing with: Climate change, Climatology & Meteorology, Environmental science and technology, Geodesy, Geography, Geoinformatics, Geology, Geophysics, Hydrology and Oceanography.

Publication Information

The journal publishes *quarterly in March, June, September, December* by the Vietnam National University in 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 22/7/2014. Printed at Hoang Quoc Viet Technology and Science Joint Stock Company, 18 Hoang Quoc Viet Street, Cau Giay District, Hanoi, Vietnam. Legal Deposit: Quarter IV/2019.