## VNU JOURNAL OF SCIENCE

## **Earth and Environmental Sciences**

Vol. 41, No. 3, 2025

## **CONTENTS**

## **Original Articles**

1.	Bui Tien Dat, Pham Anh Duy, Vu Phuong Lan, Ha Minh Cuong, Nguyen Phuong Bac, Hoang Tich Phuc, Develope Daily Soil Moisture Maps for Binh Thuan Province Using Multi-Source Remote Sensing Data and Machine Learning Models	1
2.	<b>Giap Ngoc Anh, Nguyen Kim Cuong, Nguyen Duc Thinh,</b> Simulation of Dispersal and Growth of <i>Panulirus Ornatus</i> Larvae in Coastal Ocean in Central Vietnam	16
3.	<b>Truong Xuan Quang, Ngo Xuan Dac, Truong Xuan Luan, Nguyen Kim Long,</b> Preliminary Study on the Lang Neo Mineral Deposits in the Northwest Anticline Structure, Thanh Hoa Province	29
4.	Nguyen Thi Hai, Ta Thi Hoai <sup>,</sup> Nguyen Quoc Tuan, Nguyen Thi Hong, Nguyen Thi Hoang Ha, Removal of Arsenic from Water Using Natural Manganese Ore Globules	43
5.	<b>Ta Thi Hoai, Nguyen Thi Hong Hanh, Nguyen Thi Hai,</b> Ammonium Adsorption by Geopolymer from Thach That Laterite	52
6.	<b>Duong Thi Thuy, Truong Quang Hai, Pham Quang Tuan,</b> Assessment of Geographical Conditions for Wellness Tourism Potential in Dak Lak Province	60
7.	<b>Bui Minh Tuan,</b> Non-linear Relationship Between Summer Rainfall Over Red River Delta and El Niño-Southern Oscillation	74
8.	Bui Van Duan, Dinh Quoc Van, Grzegorz Lizurek, Izabela Nowaczyńska, Jan Wiszniowski, Vi Van Vung, Le Ba Manh, Nguyen Thuy Linh, Vu Minh Tuan, Nguyen Thanh Hai, Nguyen Anh Duong, Analysis of Geomorphic Factors Related to Seismic Activity in Lai Chau Hydropower Reservoir in the Period 2015 - 2024	84
9.	<b>Dang Trung Thanh, Nguyen Huynh Anh Tuyet,</b> Using Nutrient Solution Instead of Fertilizer to Grow Bok Choy ( <i>Brassica chinensis</i> ) in Thu Dau Mot City	100
10.	<b>Nguyen Hien Than, Tran Thi Anh Thu, Le Trong Dieu Hien,</b> Assess the Bottom Sediment Quality of the Saigon River and its Tributaries in Binh Duong Using an Artificial Neural Network	108