

## CONTENTS

### Review Article

1. **Le Hoang Tu, Phan Thi Ha, Vo Ngoc Quynh Tram, Nguyen Ngoc Thuy, Dang Nguyen Dong Phuong, Tran Thong Nhat, Nguyen Kim Loi,** GIS Application in Environmental Management: A Review 1

### Original Articles

2. **Nguyen Duc Hanh, Nguyen Tien Giang, Dang Tran Duc Minh, Dao Ba Huy, Le Huu Minh Quan, Nguyen Thi Tinh,** Modelling Stage-discharge Relationships for Hydrological Stations in the Da River Basin using First-kind Chebyshev Polynomial Approximation 16
3. **Ngo Duc Thanh, Bui Thi Khanh Hoa,** Trends and Return Frequencies of Hot and Cold Extreme Events in Northern Vietnam from 1961–2018 31
4. **Tran Thi Tuyet Thu, Dao Thi Trang, Pham Thi My Phuong,** Grass *Vetiveria zizanioides* (L.) Nash for Immobilization of Copper in the Orange-growing Soil Contaminated by the Overuse of Fungicides: A Case Study at Cao Phong, Hoa Binh 43
5. **Nguyen Quoc Son, Nguyen Cam Linh, Le Thi Phuong Quynh, Le Phuong Thu,** Application of Machine Learning Algorithms in Studying Water Quality in the Red River System 52
6. **Vu Van Phai, Ngo Van Liem, Pham Hoang Hai, Vu Thi Thanh Ha, Tran Van Binh, Pham Thi Phuong Nga, Nguyen Thu Nhung,** Formation and Evolution of Sandy Island in Front of the Thu Bon River Mouth, Quang Nam Province 64
7. **Nguyen Thanh Binh, Ha Tran Quang Nghiem,** The Effects of Biochar on Exchangeable Metal Concentration in Paddy Soils 78
8. **Nguyen Xuan Tong, Pham Thi Bich Van, Le Hung Anh,** Assessing the Current Status and Proposing Solutions for Heavy Metal Management in the Saigon River Basin Sediments 95