

CONTENTS

Original Articles

1. **Nguyen Viet Tuyen, Pham Van Thanh, Nguyen Cong Toan, Ngac An Bang, Nguyen Canh Viet, Sai Cong Doanh, Tran Thi Ngoc Anh, Pham Thi Hong, Nguyen Trong Tam, Tran Thi Ha,** Effect of Ultrasound on the Formation and Photocatalytic Activity of ZnO Nanoparticles 1
2. **Doan Thi Tuyet Le, Tran Thi Hong Cam, Cao Duc Long, Phan Thi Pham,** Effects of Peanut Oil on Growth, Development and Cordycepin Content of *Cordyceps militaris* 10
3. **Luu Thi Huyen Trang, Tran Thanh Hien, Tran Thi Thanh Thao, Nguyen Thi Thao Nguyen, Lu Thi Minh Hien, Hoang Quoc Anh, Vu Thi Trang, Pham Gia Bach, Vu Duy Tung, Chu Thi Hue, Nguyen Thi Minh Thu, Nguyen Thi Kim Thuong, Pham Thi Ngoc Mai, Nguyen Thi Anh Huong,** Determination of Malachite Green by Capillary Electrophoresis with Capacitively Coupled Contactless Conductivity Detection (CE-C⁴D) 19
4. **Nguyen Nang Tu, Quach Manh Dung, Trinh Xuan Dai,** Kinetics and Mechanism of the Degradation of Organic Compounds in Aqueous Solution Using α -MnO₂/UiO-66-NO₂/TFC-PA Catalytic Membrane 27
5. **Nguyen Van Hai, Mai Ha Anh, Dinh Thi Hien, Hoang Nhu Van,** Synthesis of CeO₂:xEu³⁺, yAl³⁺ Nanocrystals by Sol-gel Method and Investigation of Their Optical Properties 35
6. **Nguyen Quoc Vinh, Ly Van Vuong, Vo Thi Thanh Lam, Nguyen Thi Kim Han, Dinh Minh Quang,** Initial Data on Morphological Traits and Food and Feeding Habits of Kissing Gourami *Helostoma temminckii* from Tra Su, An Giang Province, Vietnam 43
7. **Do Duc Sang, Phan Ngoc Anh, Tran Thu Ha, Dao Hoang Nam, Ha Thi Kim Thoa, Tran Thi Anh Nga,** *Allopeas gracile* (Hutton, 1834): A Pest Terrestrial Snail and Distributional Data from Vietnam 54
8. **Nguyen Duy Tu, Nguyen Thi Hanh, Ngo Minh Tu, Nguyen Duy Anh, Vu Duy Ha, Nguyen Thi Phuong Ha, Nguyen Thi Dieu Huyen, Pham Thi Thuy Duong, Pham Thanh Dong,** Evaluation of Photocatalytic Activity and the Role of H₂O₂ in the Treatment of Tetracycline using NiFe₂O₄ Material Synthesized by Co-precipitation Method 63
9. **Nguyen Thi Thu Hien, Hoang Thi Ngan,** Morphological and Molecular Data of a *Padina* (Dictyotaceae) Seaweed Sample Collected from Ly Son Island, Quang Ngai Province Fluctuations of Estradiol and Progesterone in Phan Rang Sheep During the Estrous Cycle 71
10. **Phan Minh Giang, Do Thi Viet Huong, Vu Minh Trang, Tran The Anh, Tran Thi Thao Van, Nguyen Trung Kien, Cao Thu Uyen,** Chemical Constituents of *Eupatorium clematideum* Species in Vietnam 82
11. **Nguyen Manh Ha, Nguyen Thi Dung, Tu Binh Minh, Nguyen Minh Phuong, Dang Ngoc Dinh,** Determining Heavy Metal Concentrations in Residential and Automobile Garage Dust in Hanoi, Vietnam 90
12. **Nguyen Duc Hieu, Nguyen Thi Anh Huong, Chu Thi Hue, Tran Thi Lieu, Nguyen Thi Minh Thu, Hoang Thi Huong Hue, Dang Van Long, Tu Binh Minh, Hoang Quoc Anh,** Overview on Polycyclic Aromatic Compounds in Water and Sediment Samples in Vietnam 101