

CONTENTS

Original Articles

1. **Vo Quang Mai, Vo Chi Hao, Nguyen Huu Tho, Nguyen Xuan Sang,** Heterostructure of Titanium Dioxide Nanotube/Graphene Nanoplatelet with Enhancing Photocatalytic Activity 1
2. **Nguyen Thy Ngoc, Le Thi Van Anh, Nguyen Thuy Duong, Nong Van Hai,** Detection of a Novel Mutation on the Gene *ESCO2* in a Pediatric Patient with Syndactyly 10
3. **Le Thi Thu Hang, Hoang Thi Bich Thuy,** Enhancement in Graphitization of Ordered Mesoporous Carbon by Assistance of Soybean Oil Surfactant 17
4. **Nguyen Huu Tho, Nguyen Thanh Trung,** The Interaction of Adenine with $Zn_{12}O_{12}$ Cluster from Density Functional Theory 24
5. **Tran Dang Thinh, Tran Khac Vu,** Synthesis and *In vitro* Cytotoxic Evaluation of New Quinazolinone Derivatives 30
6. **Dinh Thi Hien, Khuat Thi Thuy Ha, Nguyen Minh Hai,** Pd(II) and Zn(II) Complexes with 9 - Anthraldehyde 3-tetramethyleneiminylthiosemicarbazone 38
7. **Le Phan Cam Linh, Nguyen Van Ky, Pham Duy Long, Giang Hong Thai, Dang Thi Thanh Le, Nguyen Si Hieu,** Coprecipitation and Characterization of Na Substituted $LiMn_{0.5}Ni_{0.5}O_2$ for Lithium ion Battery Cathodes 45
8. **Nguyen Quang Huy, Do Thi Hai Anh,** The Inhibitory Activity of Compounds from *Sophora japonica* L. on Amyloid Beta Formation in Alzheimer's Disease 54
9. **Dinh Minh Quang, Nguyen Thi Nha Y, Lam Thi Huyen Tran, Phan Thanh Gieo,** The Digestive Tract Morphology and Clark index of Mud Sleeper *Butis koilomatodon* Living in some Coastal and Estuarine areas belonging to Tra Vinh, Soc Trang, Bac Lieu and Ca Mau 61

10. **Nguyen Phu Hung, Le Thi Thanh Huong, Nguyen Trung Thanh,** Curcumin Down-Regulates CD44 Marker Expression and Inhibits the Growth of Tumorsphere in 3D Culture Condition of Gastric Cancer Cell line MKN45 70
11. **Nguyen Phu Hung, Le Thi Thanh Huong, Nguyen Trung Thanh,** Curcumin Inhibits Cell Proliferation, Stimulates Apoptosis and Down-Regulates Aldehyde Dehydrogenase Expression in Gastric cancer Cell line MKN45 80
12. **Hoang Quoc Anh, Shin Takahashi, Tu Binh Minh, Tran Manh Tri,** Contamination Status and Emission Sources of Polychlorinated Biphenyls in Settled Dust from End-of-life Vehicle Processing and Urban Areas, Northern Vietnam 88
13. **Vu Xuan Tao, Tran Van Tuan,** Isolation and Characterization of *Trichoderma* Strains Antagonistic Against Pathogenic Fungi on Orange Crops 98