

CONTENTS

	Page
1 Van Bon Nguyen, San-Lang Wang, Thi Hanh Nguyen, Anh Dzung Nguyen - Emerging strategy for eco-friendly management of black pepper root-knot nematodes.	325-343
2 Le Van Dung, Nguyen Cong Hao, Nguyen Thanh Danh, Ngo Le Ngoc Luong, Nguyen Thuy Duong, Nguyen Thi My Thao, Dang Chi Hien - Synthesis and field experiments of the female sex pheromone of sweet potato weevil, <i>Cylas formicarius</i> .	344-354
3 Tran Thi Tuyen, Pham Cao Bach, Ha Viet Hai, Pham Thi Hong Minh, Nguyen Thi Hong Van, Pham Minh Quan - <i>In silico</i> studies on potential MCF-7 inhibitors of alkaloid and phenolic compounds isolated from <i>Zanthoxylum nitidum</i> : a combination of molecular docking and admet analysis.	355-364
4 Nguyen Tien Dung, Le Thi Huyen - Study on chemical constituents from <i>Ixeris dentata</i> .	365-372
5 Nguyen Thi Ngoc Mai, Trinh Thi Huan, Le Van Thanh, Nguyen Vu Huan, Duong Quoc Hoan - Synthesis and antimicrobial activities of hydrazones derived from 4-hydroxy-3-nitrobenzaldehyde.	373-381
6 Nguyen Duc Hung, Tran Van Cong, Do Le Thanh Hung, Tran Thi Ngoc Dung - Environmentally friendly technology for treatment of pesticide and ammonia contaminated water with electrochemical plasma.	382-393
7 Nguyen Thi Ngoc Linh, Le The Tam - Synthesis of highly stable silver nanoparticles as computed tomography contrast agents.	394-404
8 Ha Pham Thi, Tuan Nguyen Van, Tuan Anh Nguyen, Ly Pham Thi, Cuong Ly Quoc, Thuy Dao Bich, Quan Vo An - Study of corrosion behavior of arc thermal sprayed Al-Mg alloy coating.	405-414
9 Do Van Manh, Nguyen Tuan Minh, Le Xuan Thanh Thao, Huynh Duc Long, Luong Huu Thanh, Vu Dinh Ngo, Dang Thi Thom - A case study of circular economy from waste.	415-428
10 Hung Cong Duong, Nhan Trong Nguyen, Oanh Thi Doan, Lan Thi Thu Tran - Osmotic membrane distillation regeneration of liquid desiccant solution used for air-conditioning: A proof of concept.	429-440
11 Nguyen Thi Kim Ngan, Vu Thi Thu Ha, Dang Van Thanh, Nguyen Tra My, Pham Thi Hai Yen - Fabrication of polyglutamic acid-based sensor for electrochemical determination of a phenicol antibiotic in water environment.	441-453
12 Pham Hoai Linh, Nguyen Quoc Dung, Nguyen Van Khien - Adsorption of direct red 79 in wastewater on $Fe_2Fe_{1-x}Mn_xO_4$ ($x = 0-1$) nanoparticles prepared by co-precipitation method.	454-470
13 Vo Thi Le Ha, Van Dieu Anh, Nguyen Thi Thu Hien, Dao Duy Nam, Nghiem Trung Dung, Ly Bich Thuy - Concentrations of $PM_{0.1}$ and $PM_{2.5}$ at high polluting event days in Ha Noi and the effects of meteorological conditions.	471-479

- 14 **Tran Thi Ai My, Nguyen Duy Dat, Nguyen Quoc Hung, Duong Tuan Quang** 480-490
- Preliminary determination of microplastics in bivalves collected from Phu Yen, Central Viet Nam.
- 15 **Phung Xuan Son, Vu Thi Hue, Mai Duc Thuan, Nguyen Minh Quang, Nguyen Duy Trinh** 491-505
- Optimizing the production technology of eco-friendly foam polyurethane panels on the continuous line.
- 16 **Cong Ich Le, Dinh Kien Nguyen** - Free vibration of axially loaded microbeam in MEMS based on sinusoidal shear deformation theory. 506-518
- 17 **Viet Anh Pham Ba, Ngoc Pham Van Bach, Khoa Viet Nguyen** - Monitoring of histamine-induced calcium channel activity of a single cell using semiconducting carbon nanotube transistors. 519-528