VIETNAM JOURNAL OF SCIENCE AND TECHNOLOGY

Volume 63, Number 6, 2025

CONTENTS

		Page
1	Nguyen Duy Hieu, Nguyen Thi Hong Van, Pham Thi Hong Minh - Flavonoid and alkaloid constituents from <i>Croton</i> genus: chemical structures and biological activities.	1023-1049
2	Nguyen Duc Duy, Bui Huu Tai, Nguyen Thi Kim Thuy, Nguyen Thi Hanh, Quach Thi Thanh Van, Quan Cam Thuy, Bui Thi Phuong Thao, Phan Van Kiem - <i>Ailanthus triphysa</i> : a review of phytochemistry and pharmacology.	1050-1073
3	Nguyen Duc Tien, Nguyen Dinh Khoa, Pham Anh Tuan, Nguyen Thi Huyen, Than Thao Nguyen, Adisak Joomwong - Investigation of the effects of pulsed	1074-1082

polysaccharide production.
 Tran Thanh Truc, Phan Minh Trong, To Nguyen Phuoc Mai, Nguyen Van Muoi - 1083-1093
 Bioactive of betel leaves extract grown in Vinh Long province and its application to extend shelf-life of Da Xanh pomelo.

ultrasound in aerated submerged culture of Phellinus linteus for biomass and

- Nguyen Anh Hiep, Dao Phi Hung, Mac Van Phuc, Nguyen Thien Vuong, Trinh 1094-1106 Van Thanh Effects of inorganic fillers on the performance of acrylic emulsion intumescent fire retardant coating.
- Pham Van Duong, Do Hoang Tung, Pham Hong Minh, Doan Thi Kieu Anh, 1107-1116

 Nguyen Thanh Binh The effect of fabrication conditions on optical characteristics of CQDs prepared by micro plasma.
- Pham Hong Nam, Ta Ngoc Bach, Le Viet Bau, Nguyen Van Dang, 1117-1126 Pham Truong Tho, Nguyen Xuan Phuc, Pham Thanh Phong Correlation between electrical properties and critical behavior in La_{0.7}Ca_{0.25}Ag_{0.05}MnO₃ nanoparticles.
- Le Ba Thang, Truong Thi Nam, Le Duc Bao, Nguyen Thi Thanh Huong, Uong 1127-1136 Van Vy, Le Thao Ly Effect of current density on the composition of Zn-Ni alloy deposits and the characteristics of the trivalent chromium passive film on these deposits.
- Le Van Dai, Nguyen Tien Anh, Nguyen Thi Kieu Oanh, Le Thi Bang, Bui Duc 1137-1146 Long Investigation of the formation of Cu₄SnS₄ using mechanical alloying and heat-treatment for thermoelectric conversion.
- Ngoc Tuan Nguyen, Danh Thien Nguyen, Gia Minh Tu Pham, Huong Mai 1147-1159 Potential genotoxixity impacts of a co-exposure of polypropylene microplastic and antibiotics to fresh water pearl mussel *Hyriopsis cumingii* (LEA, 1852).
- Cong Hong Hanh, Pham Sy Hieu, Nguyen Hong Nhung, Tran Que Chi, Tran Thi 1160-1173 Huong, Pham Duy Khanh, Pham Thi Gam, Nguyen Van Phuong, Phan Thi Thanh Nga, Hoang Hien Y, Dao My Uyen, Hoang Anh Son Silver nanoparticles synthesized using *S. nervosum* leaf extract, and their antibacterial and antifungal activity.
- 12 Tran Tuan Anh, Nguyen Hoang, Le Duc Luong, Tran Thi Huong, Cu Sy Thang, 1174-1191 Pham Ngoc Can The reliability of geochemical and isotopic data acquired at the metal-free chemical clean room and LA-MC-ICP-MS system of the Institute of Earth Sciences, VAST.
- Bhavesh Pawar, Mitesh Mungla Design and implementation of a non-invasive 1192-1210 brain computer interface for prosthetic ARM.
- Hakkee Jung Analytical threshold voltage and drain-induced barrier lowering 1211-1223 models of elliptic junctionless Gate-All-Around FET.