

CONTENTS

Luu Ba Thang and Phan Hoang Lam , On balancing numbers by the matrix method	3
Dinh Thi Quynh Lien , Roots of complex harmonic polynomials in one variable	11
Mai Thi Hong , Optimal attenuation control of 2-D positive Roesser systems with bounded disturbances	18
Hoang Mai Huong and Nguyen Thi Nhung , Differential variational inequalities via the extended LaSalle's invariance principle approach	32
Pham Van Khanh and Pham Vu Anh Tuan , Building a Vietnamese math chatbot based on RAG and LLM: System design, implementation and experimental evaluation	43
Nguyen Thuy Linh, Nguyen Cong Thai, Le Xuan Huy and To Anh Duc , Microsatellite hybrid structure using aluminum 7075-T6 and CFRP for improved launch performance survivability	57
Nguyen Huyen Nhun and Tran Phan Thuy Linh , Density functional theory approach in investigating structural and electronic properties of bismuth-based photocatalysts	68
Bui Thanh Nga, Huynh Xuan Mai, Vu Quoc Manh, Nguyen Dang Dat, Vu Thi Huong and Vu Quoc Trung , Characterization of a chitosan/polyaniline film loaded with lovastatin	78
Nguyen Dinh Hung, Dang Van Cu, Le Quang Huy, Luong Thi Thu Thuy and Le Van Khu , Morphological and phase evolution of cobalt sulfide on carbon cloth via controlled hydrothermal synthesis for high-performance flexible supercapacitors	88
Vu Dinh Thong, Nguyen Van Viet, Pham Van Nha, Vo Trong Tai, Nguyen Hoang Thien, Nguyen Khanh Luong, Nguyen Tan Truyen, Tran Quoc Khai, Ngo Khang Duy, Nguyen Thanh Luong, Le Thi My Thanh and Hoang Trung Thanh , Remarkable records of mammals and conservation status of <i>Sundasciurus hippocurus</i> and <i>Macaca fascicularis</i> from U Minh Ha National Park, Southern Vietnam	101
Cao Hoang Tuan, Luong Van Dung, Nguyen Dao Cam Tu, Tran Thuy Linh, Tran Vu Kim Anh and Bui Thu Ha , Morphological and anatomical adaptations of the tuber for parasitism in three species of <i>Balanophora</i> J.R. Forst. et G. Forst. from Mu Cang Chai, Yen Bai	110
Nguyen Ha Linh and Nguyen Thi Hong Lien , Comparative assessment of soil properties in organic, conventional, and abandoned vegetable cultivation systems in vegetable-growing areas of Hanoi	121

Dao Ngoc Anh, Nguyen Manh Duc and Nguyen Phuc Hung , Effects of alcohol-soluble components in soy milk residue on plasma lipid levels, lipid digestion and body weight gain in Swiss mice	134
Duong Thi Anh Dao, Nguyen Thi Hong Hanh, Pham Thao Linh, Le Thi Tuyet, Nguyen Thi Trung Thu, Nguyen Thi Bich Ngoc, Nguyen Phuc Hung, Le Ngoc Hoan and Do Thi Nhu Trang , Eating behaviors associated with thinness among 9 to 12-year-old students at 915 Gia Sang Primary and Secondary School, Thai Nguyen city: A decision tree analysis	143
Nguyen Trung Truc, Huynh Khanh Thi and Duong Thi Cam Nhung , Effect of ultrasound treatment combined with sodium hydrogen sulfite on the quality of postharvest longan fruit	154
Dinh Hoang Duong, Ngo Thi Hai Yen, Do Van Thanh, Kieu Van Hoan, Nguyen Van Manh and Vu Thi Thu Thuy , Characteristics of the landscape classification system of communes: Cho Ra, Ba Be, Phuc Loc, Thuong Minh and Dong Phuc, Thai Nguyen province	165
Mai Thanh Tan, Vu Thi Minh Nguyet and Tran Thi Thuy Van , Geoheritage values of the transboundary world heritage of Phong Nha-Ke Bang National Park and Hin Nam No National Park	182