

## TABLE OF CONTENTS

<b>Establishing a mesenchymal stem cell bank from umbilical cord tissue for cell therapy and initial application in the treatment of knee osteoarthritis at Tam Anh general hospital.</b> Nguyen Tam Long, Trinh Tuan Viet, Nguyen Thi Bich, Tran Thuy Duong, Nguyen Xuan Huong, Trinh Xuan Binh, Tran Thi Hoai Thanh, Tham Thi Thu Nga, Nguyen Trung Nam.	197-211
<b>Identification of genetic variants in two Vietnamese patients with hypertrophic cardiomyopathy by Whole exome sequencing.</b> Nguyen Thi Kim Lien, Nguyen Van Tung, Le Trong Tu, Dang Thi Hai Van, Vu Quynh Nga, Nguyen Ngoc Lan, Nguyen Thanh Hien, Le Tat Thanh, Nguyen Minh Duc, Nguyen Huy Hoang.	212-226
<b>Identification of a rare <i>GLI3</i> variant associated with unilateral thumb polydactyly.</b> Nguyen Thy Ngoc, Hoang Hai Duc.	227-234
<b>The proliferation of hematopoietic stem cells from umbilical cord blood was enhanced by using peptide sl-13r.</b> Vu Thi Tien, Tran Trung Thanh, Tran Trung Kien, Dinh Ho Thao An, Nguyen Trung Nam.	235-241
<b>Antimicrobial activity of chitosan and combination with antibiotics against mastitis-causing pathogens.</b> Thi Kieu Oanh Huynh, Thi Minh Khanh Pham, Thuc Quyen Huynh, Van Ty Tran, Quynh Thuong Nguyen, Hong Phuong Ngo, Phuong Thao Nguyen, Thi Thu Hoai Nguyen.	242-255
<b>Polymorphism of <i>growth hormone 1</i> gene in co and Bach Thao breed goats: is the recessive homozygous BB genotype lethal?</b> Minh Lam Dang, Quang Le, Van Hop Nguyen, Anh Phu Nam Bui.	256-264
<b>A colorimetric multiplex RPA approach for on-site dual monitoring of <i>Vibrio parahaemolyticus</i> and White Spot Syndrome virus in Pacific Whiteleg shrimp.</b> Diem Hong Tran, Vo Ngoc Truc Giang, Huong Thi Thu Phung and Le Minh Bui.	265-277
<b>Isolation and identification of the <i>Serratia marcescens</i> causing septicemia in the silkworms from Yen Bai province and prevention measures.</b> Nguyen Thuy Hanh, Pham Minh Ngoc, Hoang Minh Tuan.	278-288
<b>Comparative analysis of cis-regulatory elements associated with salinity and drought tolerance in rice (<i>oryza sativa l.</i>) using <i>in silico</i> analysis</b> Bui Thi Hai Hoa, Nguyen Huy Duong, Dinh Thi Thu Le, Trinh Thi Thu Hang, Vu Kim Thoa, Le Thu Thuy, Bui Van Ngoc.	289-304
<b>Strategies to enhanced production of biomass and natural antioxidants of <i>Cichorium intybus l.</i> hairy roots by using nanoparticle elicitors.</b> Mai Thi Phuong Nga, Tang Khanh Linh, Nguyen Pham Cam Tra.	305-317

## Table of Contents

<b>Evaluating some <i>in vitro</i> bioactivities of ethanol extract from <i>Ageratum conyzoides</i> L. leaves collected in Vietnam in supporting skin wound treatment.</b> Nguyen Minh Can, Nguyen Thi My Trinh.	318-328
<b>Improvement of <i>in vitro</i> shoot regeneration and flowering from petal explants of <i>Begonia x hiemalis</i> fotsch.</b> Vu Quoc Luan, Duong Tan Nhut.	329-340
<b>Biocontrol potentiality of <i>Burkholderia vietnamiensis</i> NRV12 against the rice blast fungus <i>magnaporthe oryzae</i>.</b> Nguyen Thi Thanh Loi, Nguyen Tran Mai Anh, Ho Manh Tuong, Vu Thi Hanh Nguyen, Quach Ngoc Tung, Nguyen Thi Thu An, Do Tien Phat, Chu Hoang Ha, Phi Quyet Tien.	341-356
<b>Research on isolation, identification, and determination of suitable conditions for the cultivation of albino <i>Cordyceps militaris</i> shtbd fruiting bodies.</b> Dao Ngoc Anh, Truong Thi Chien, Do Thi Kim Trang, Tran Bao Tram, Nguyen Thi Thanh Mai, Thai Hanh Dung, Tran Van Tuan, Vu Xuan Tao.	357-366
<b>Isolation and characterization of beneficial bacteria from <i>Apis cerana</i> honeybees from Hanoi, Vietnam.</b> Dong Van Quyen, Pham Thi Lanh, Ha Thi Thu.	367-381
<b>Codon optimization, expression, and purification of the reverse transcriptase enzyme variant MMLV RT2 in <i>Escherichia coli</i>.</b> Nguyen Van Sang, Le Tra My, Nguyen Thi Uyen, Dang Thi Lan Anh.	382-390