

## CONTENTS

	Page
1. Modeling the freezing process of turmeric starch to determine the rate of freezing water.....	1
<b>Le Thi Thanh Long, Huynh Thi Kim Giau, Hoang Thi Loan, Dang Thi Ngoc Dung, Nguyen Van Suc, Nguyen Tan Dzung</b> <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
2. Adsorption of reactive dye by keramzite beads in a batch and fixed bed column mode .....	10
<b>Nguyen Thai Anh, Nguyen Thi My Linh, Nguyen Thi Cam Huong</b> <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
3. Copper nanoparticles immobilized on cation exchange resin as an effective disinfectant for removal of pathogenic bacteria in water treatment .....	16
<b>Nguyen Van Suc, Nguyen Thi Ngoc Mai, Vo Thi Thuy An</b> <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
4. Effects of vitamin c on inhibition of polyphenoloxidase and quality changes of white shrimp ( <i>litopenaus vannamei</i> ) during cold storage .....	22
<b>Phan Thi Anh Dao</b> <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
5. A review: formation, beneficial and application of resistant starch.....	28
<b>Trinh Khanh Son</b> <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
6. Nitrogen-containing compounds from pseudanthemum carruthersii var. Atropurpureum.....	33
<b>Vo Thi Nga<sup>1</sup>, Hoang Minh Hao<sup>1</sup>, Nguyen Kim Phi Phung<sup>2</sup></b> <sup>1</sup> <i>Ho Chi Minh City University of Technology and Education, Vietnam</i> <sup>2</sup> <i>University of Science, National University – Ho Chi Minh City, Vietnam</i>	
7. Effects of turmeric powder on dough quality and bread quality .....	37
<b>Nguyen Dang My Duyen, Le Tan Hoang</b> <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
8. Immobilizing metallic copper onto submicron silica synthesized from rice husk ash.....	43
<b>Nguyen Van Thuc, Nguyen Vinh Tien</b> <i>Ho Chi Minh City University of Technology and Education, Vietnam</i>	
9. Phosphate fractionation from wastewater by a selectrodialysis process .....	48
<b>Tran Thi Kim Anh</b> <i>Ho Chi Minh University of Technology and Education, Vietnam</i>	
10. Synthesis and estimation of copper nanoparticles as agrochemicals against <i>phytophthora</i> spp.....	54
<b>Cao Van Du<sup>1*</sup>, Nguyen Van Thanh Dat<sup>1</sup>, Thái Minh Tien<sup>1</sup>, Duong Thi Ngoc Dung<sup>1</sup>, Nguyen Xuan Chuong<sup>1</sup>, Nguyen Thi Phuong Phong<sup>2</sup>, Nguyen Huu Tri<sup>3</sup></b> <sup>1</sup> <i>Lac Hong University, Dong Nai Province, Vietnam</i> <sup>2</sup> <i>University of Science, Ho Chi Minh City, Vietnam</i> <sup>3</sup> <i>Nong Lam University, Ho Chi Minh City, Vietnam</i>	
11. The application of digital signal processing method to develop an algorithm for neutron-gamma pulse shape discriminator.....	60
<b>Dang Hong Ngoc Quy, Pham Ngoc Tuan, Tuong Thi Thu Huong, Nguyen Nhi Dien</b> <i>Nuclear Research Institute, Da Lat, Lam Dong, Vietnam</i>	