## JOURNAL OF SCIENCE AND TECHNOLOGY

Volume 56, Number 2, 2018

## MÁC TÁC

## CONTENTS

|   | trang   |
|---|---|
| <b>Tran Van Cuong, Nguyen Thi Thoa, Kim Duwoon</b> - Marine alginate oligosaccharides – A promising biomaterial: current use and future perspectives in food industry and pharmaceutical applications.  | 133   |
| <b>Do Thi Hue, Vu Thi Thuy Duong, Nguyen Trong Nghia, Tran Hong Nhung, Nghiem Thi Ha Lien -</b> Seeded growth synthesis of gold nanorods for photothermal application.  | 148   |
| Le Dang Truong, Tran Vinh Hoang, Le Dieu Thu, Tran Ngoc Quang, Nguyen Thi Minh Hang, Nguyen Dang Khoi, Trinh Xuan Anh, Tran Le Anh - Synthesis and application of chitosan/graphene oxide/magnetite nanostructured composite for Fe(III) removal from aqueous solution. | 158   |
| <b>A. S. Nguyen, T. D. Nguyen, T. T. Thai, T. X. H. To</b> - Investigation of cerium (III) activated-ceria nanoparticles as corrosion inhibitors for carbon steel.  | 165   |
| Nguyen Dang Nam, Nguyen To Hoai, Pham Van Hien - A study on the localized corrosion inhibition for mild steel in saline solution.   | 174   |
| <b>Huynh Thi Kieu Trinh, Bui Hien Duc</b> - Using LANDSAT satellite image and GIS to estimate and monitor the amount of absorbed $\mathrm{CO}_2$ in dipterocarp forest, Dak Lak province.   | 184   |
| Trinh Van Quyen, Sándor Nagy - Agglomeration of Acacia mangium biomass.   | 198   |
| <b>Le Nguyen Thi My, Nguyen Van Hieu -</b> Use of whey protein for encapsulation and controlled release of probiotic bacteria from protein microencapsulate in <i>ex vivo</i> porcine gastrointestinal contents.  | 208   |
| <b>Do Bien Cuong, Hoang Ngoc Han, Pham Van Thiem -</b> Ammonia-removal efficiency of a novel <i>Acinetobacter calcoaceticus</i> strain isolated from industrial wastewater of Ninh Binh coal nitrogenous fertilizer plant.  | 216   |
| Tran Thanh Thai, Nguyen Le Que Lam, Nguyen Thi My Yen, Ann Vanreusel, Ngo Xuan Quang - Biodiversity and distribution patterns of free - living nematode communities in Ba Lai river, Ben Tre province.  | 224   |
| <b>Duong Van Nam, Nguyen Hoai Chau, Hamasaki Tatsuhide, Dinh Van Vien, Phan Do Hung -</b> Effects of COD/TN ratio and loading rates on performance of modified SBRs in simultaneous removal of organic matter and nitrogen from rubber latex processing wastewater.     | 236   |
| <b>Phan Thanh Toan, Nguyen The Loc -</b> A branch and bound algorithm for workflow scheduling.  | 246   |
| <b>Mai Dinh Sinh, Ngo Thanh Long, Trinh Le Hung -</b> Spatial-spectral fuzzy K-means clustering for remote sensing image segmentation.  | 257   |
|   | oligosaccharides – A promising biomaterial: current use and future perspectives in food industry and pharmaceutical applications.  Do Thi Hue, Vu Thi Thuy Duong, Nguyen Trong Nghia, Tran Hong Nhung, Nghiem Thi Ha Lien - Seeded growth synthesis of gold nanorods for photothermal application.  Le Dang Truong, Tran Vinh Hoang, Le Dieu Thu, Tran Ngoc Quang, Nguyen Thi Minh Hang, Nguyen Dang Khoi, Trinh Xuan Anh, Tran Le Anh - Synthesis and application of chitosan/graphene oxide/magnetite nanostructured composite for Fe(III) removal from aqueous solution.  A. S. Nguyen, T. D. Nguyen, T. T. Thai, T. X. H. To - Investigation of cerium (III) activated-ceria nanoparticles as corrosion inhibitors for carbon steel.  Nguyen Dang Nam, Nguyen To Hoai, Pham Van Hien - A study on the localized corrosion inhibition for mild steel in saline solution.  Huynh Thi Kieu Trinh, Bui Hien Duc - Using LANDSAT satellite image and GIS to estimate and monitor the amount of absorbed CO2 in dipterocarp forest, Dak Lak province.  Trinh Van Quyen, Sándor Nagy - Agglomeration of Acacia mangium biomass.  Le Nguyen Thi My, Nguyen Van Hieu - Use of whey protein for encapsulation and controlled release of probiotic bacteria from protein microencapsulate in ex vivo porcine gastrointestinal contents.  Do Bien Cuong, Hoang Ngoc Han, Pham Van Thiem - Ammonia-removal efficiency of a novel Acinetobacter calcoaceticus strain isolated from industrial wastewater of Ninh Binh coal nitrogenous fertilizer plant.  Tran Thanh Thai, Nguyen Le Que Lam, Nguyen Thi My Yen, Ann Vanreusel, Ngo Xuan Quang - Biodiversity and distribution patterns of free - living nematode communities in Ba Lai river, Ben Tre province.  Duong Van Nam, Nguyen Hoai Chau, Hamasaki Tatsuhide, Dinh Van Vien, Phan Do Hung - Effects of COD/TN ratio and loading rates on performance of modified SBRs in simultaneous removal of organic matter and nitrogen from rubber latex processing wastewater.  Phan Thanh Toan, Nguyen The Loc - A branch and bound algorithm for workflow scheduling. |