CONTENTS

ISSN 1859-1531 - The University of Danang - Journal of Science and Technology, Vol. 20, No. 12.1, 2022

ENGINEERING AND TECHNOLOGY

| Cost of energy reduction for offshore wind energy in South-Central Coast, Viet Nam | |
|---|----|
| Nguyen Thi Thanh Hoa, Hoang Trung Kien, Nguyen Duc Quang | 1 |
| Effect of biodiesel blend ratio derived from rubber seed oil on the fuel consumption when using in the diesel engine without structural modification by simulation and experiment | |
| Nguyen Manh Cuong, Huynh Phuoc Son, Dang Thi Loan | 6 |
| Effect of dual-core spark discharge on ignition probability and engine power | |
| Nguyen Minh Tien, Bui Van Hung, Nguyen Xuan Bao, Truong Thi Hoa | 11 |
| Effect of loaded-pad thickness on the static behaviors of five-pad hydrodynamic journal bearings | |
| Dang Phuoc Vinh | 15 |
| Proposing a distributed generation curtailment optimization model to minimize total power losses of distribution network | |
| Le Hong Lam, Phan Minh Nhat, Phan Quang An | 20 |
| Research on the use of agricultural waste to manufacture highly hygroscopic materials for agricultural applications | |
| Nguyen Thi Tuyet Ngoc, Huynh Thi Thanh Thang, Nguyen Dinh Lam | 25 |
| Seismic response and damage evaluation for anchored and unanchored cylindrical above ground steel tanks | |
| Phan Hoang Nam, Nguyen Hoang Vinh, Hoang Phuong Hoa | 30 |
| Study on the new solution of air plasma spray for improving the performance of amorphous coatings | |
| Duong Vu | 36 |
| Torque ripple and mass minimization of a 20-MW direct drive offshore wind generator | |
| Hoang Trung Kien, Nguyen Thi Khanh Huyen | 41 |

NATURAL SCIENCES

Detection of *EGFR* mutation and its association with clinicopathological features of non-small cell lung cancer patients

Tran Huu Thien, Nguyen Thi Viet An, Doan Minh Thu, Nguyen Ngoc Quang, Vuong Dieu Linh

47

MEDICAL SCIENCES

Anti-inflammatory activities of compounds isolated from Amanita caesarea collected in Lam Dong province

To Dao Cuong, Nguyen Phuong Dai Nguyen, Phi Hung Nguyen, Nguyen Huu Kien, Ngu Truong Nhan, Nguyen Thi Thu Tram, Manh Hung Tran

SOCIAL SCIENCES

A comparison of problem-based learning and lecture-based learning in internal medicine course at The School of Medicine and Pharmacy – the University of Danang

Le Viet Nho, Vo Thi Minh Tri

52

| An optimization matching approach for digital lending using constraint satisfaction problem models Phan Dang My Phuong, Le Dien Tuan, Chau Thi Da Huong | 62 |
|--|-----|
| Determining the dimensions of mobile app usability in the context of Vietnam's tourism: A theoretical | 02 |
| approach Tran Thi Thu Dung, Le Van Huy, Nguyen Huu Thai Thinh | 67 |
| Income diversification and profitability of Vietnamese commercial banks | |
| Nguyen Thanh Dat, Cao Thi Linh | 74 |
| Influences of innovative climate and autonomy on employees' creativity: The moderating effects of psychological capital and job complexity | |
| Le Thi Thanh Trang, Tran Thi Tuyet Mai, Tran The Nam, Bui Thi Nhi, Pham Thi Tuyet Nhung | 80 |
| Insights from fund management companies in Vietnam: Evidence from financial reports | |
| Nguyen Quang Minh Nhi | 86 |
| Labor and infrastructure factors affecting provincial distribution of foreign direct investment in Vietnam | |
| Huynh Thi Dieu Linh, Huynh Thi Thuy Tien | 92 |
| Political connections, corruption and access to credit in Vietnamese SMEs | |
| Phuoc Vu Ha, Kim Yen Le | 98 |
| The idiosyncratic momentum anomaly: A study of Vietnam stock market | |
| Hoang Van Hai, Tran Thi Tam Chau, Pham Van Son | 103 |
| HUMAN SCIENCES | |
| Embodiment experience in some orientational metaphors in English and Vietnamese newspapers Huynh Ngoc Mai Kha, Nguyen Hoang Thuc Anh | 108 |