

## CONTENTS

### Section A: Oceanography, Engineering, Maritime, and Management

Forced Convection Film Condensation of Downward-Flowing Vapor on Horizontal Tube with Wall Suction Effect .....	Tong-Bou Chang and Fu-Jen Wang	501
On the Stabilization of a Class of Uncertain Systems with Time-Varying Delay via VSC Approach .....	Wen-Jeng Liu	508
Emergency Evacuation Route for the Passenger Ship .....	Ching-Wu Chu, Hua-An Lu, and Chang-Zui Pan	515
An Assessment of Job Performance of Vessel Traffic Service Operators Using an Analytic Hierarchy Process and a Grey Interval Measure .....	Hsi-Ching Chen, Hua-An Lu, and Hsien-Hua Lee	522
Scale Effects in Scour Physical-Model Tests: Cause and Alleviation .....	Yu-Hai Wang, Wei-Guo Jiang, and Yan-Hong Wang	532
Prediction and Simulation of Broadband Propeller Noise .....	Ali Can Takinaci and Tarkan Taralp	538
Numerical Stability Analysis for Independent Modal Vibration Suppression of a Fluid-Conveying Pipe Using a Piezoelectric Inertia Actuator .....	Yih-Hwang Lin, Jui-Lung Chen, Chih-Liang Chu, and Yau-Kun Tsai	545
A Creative Differential Evolution Algorithm for Global Optimization Problems .....	Hsin-Chuan Kuo, Ching-Hai Lin, and Jeun-Len Wu	551
Semi-Active Vibration Control for Offshore Platforms Based on LQG Method .....	Shu-Qing Wang and Ning Li	562
A Rigorous Review and Thorough Planning for the Ship Inspection System in Taiwan .....	Shuen-Tai Ung, Chi-Cheng Tsai, and Chih-Li Chen	569
A Novel Signal Processing Approach for Valve Health Condition Classification of a Reciprocating Compressor with Seeded Faults Considering Time-Frequency Partitions .....	Yih-Hwang Lin, Wen-Sheng Lee, and Chung-Yung Wu	578
A Vendor-Buyers Integrated Inventory Model Involving Quality Improvement Investment in a Supply Chain .....	Ming-Feng Yang, Ming-Cheng Lo, and Ta-Ping Lu	586
Effect of Hull Form Coefficients on the Vessel Sea-Keeping Performance .....	Mohsen Khosravi Babadi and Hassan Ghassemi	594
A Fault-Tolerant Optimal Message Routing Methodology for Cube-Connected-Cycles Parallel Computers .....	Gene Eu Jan, Cheng-Hung Li, Yung-Yuan Chen, and Shao-Wei Leu	605

### Section B: Biology, Fishery, Aquatics, and Ecology

Effects of Microwave-Assisted Extraction on the Free Radical Scavenging and Ferrous Chelating Abilities of <i>Monostroma nitidum</i> Extract .....	Yeu-Pyng Lin, Shao-Chi Wu, and Shih-Li Huang	611
Three Newly Recorded Genera and Species of Gobiid Fishes (Teleostei: Gobiidae) from the Dongsha Atoll (Pratas Islands), South China Sea .....	Shao-Liang Hsu, Ta-Kang Liu, Kwang-Tsao Shao, Kuan-Te Chen, and I-Shiung Chen	618