CONTENTS

Marine Engineering

1. **Kristijan Lenac**: Methods of reducing harmful pollutant emissions from ships 11-27
2. **Vinko Tomas, Ivica Šegulja, Dragan Čišić**: Possibilities and problems in applying contemporary maintenance strategies in maritime services 29-41
3. **Marko Valčić, Julije Skenderović**: Identification and simulation models of operating systems based on artificial neuron networks 43-64
4. **Dubravko Vučetić, Ivan Vlahinić**: The influence of serial inductance on the decrease of current harmonic distortion of line commutated frequency converters in electric propulsion system of ships 65-75

Marine Transport Technology

1. **Stipe Belak, D. Čičin-Šain**: Evolution of the terotechnology concept 79-87
2. **Juraj Bukša, Serdo Kos**: Analysis of the structure of transported containers in the Adriatic feeder service with a retrospect on the proportion and effect of empty containers on the service 89-99
3. **Dragan Čišić, Ana Perić**: The use of public private partnership model in port development 101-113
4. **Čedomir Dundović, Tanja Poletan, Ines Kolanović**: Implementation of the information-communication technologies in ports 115-123
5. **Blanka Kesić, Alen Jugović**: Use of maritime property in the economic development of shipping on the Adriatic 125-136
6. **Tanja Poletan**: Relevant indices of traffic growth and cargo flow dynamism on Paneuropean corridor \( V_B \) 137-157
7. **Kuzman Vujević**: Amortization from the aspect of cost, taxes and accounting 159-169
Nautical Sciences

1. Juraj Bukša, Damir Zec: Model of maritime risk assessment in a restricted area of navigation 173-193
2. Pavao Komadina, Igor Rudan, Vlado Frančić: A proposal for structuring monitoring and control systems of navigation in the traffic lane next to the port of Zadar 195-205
3. Robert Mohović, Pavao Komadina, Dani Mohović: A comparative analysis of different ship’s technologies on transverse stability when the vessel is fully loaded with homogenous cargo 207-214

Social and Humanistic Sciences

1. Mijo Biličić: The case method in science and teaching 217-228
2. Axel Luttenberger, Biserka Rukavina: Conforming croatian rules on seafarers’ identity documents to international law sources 229-240
3. Olga Vučetić: The battle of Trafalgar in poetry (honouring the 200th anniversary of the battle of Trafalgar) 241-249

Marine Ecology

1. Gordan Grguric, David Vieira: Controlling nitrate concentrations in large seawater facilities 253-462

Computer Science and Information Technologies

1. Zoran Mrak, Dario Ogrizović: INMARSAT - broadband global area network 265-274
2. Boris Sviličić, Antun Kraš: Computer systems privacy protection 275-284
3. Mato Tudor, Dragan Martinović: Program support testing 285-293