

Editorial



Dear Readers,

Naše more, International Journal of Maritime Science & Technology "Our Sea", entered a new century of its existence. It has been a long and turbulent period during which our journal has transformed from a professional to a scientific journal, looking forward to being accepted within the group of the best publications with maritime themes in this part of the world. Also, there are just a few specialised journals on seafaring worldwide, published for such a long period and our publication may be considered to be both our maritime and cultural heritage.

The second issue in 2021 contains 8 papers. The first one is the original scientific paper by Vietnam authors: Do Duc Luu, coming from Vietnam Maritime University Hai Phong, and Nguyen Quang Vinh. The paper is titled: Affections of Turbine Nozzle Cross-Sectional Area to the Marine Diesel Engine Working. This paper studies the affections of the turbine nozzle cross-sectional area (AT) to Marine Diesel Engine (MDE) and presents a method of AT adjustment to improve the performances of MDE. By using the made simulation software, the affections of nozzle cross-sectional area to the engine, were evaluated and an optimum point was determined to improve the engine brake power, specific fuel consumption, and exhaust temperature.

The second paper is the original scientific paper by Kazakhstan authors: Alla Goncharova, Tatyana Karpenyuk, Aliya Kalbayeva, Togzhan Mukasheva and Nurgul Bektileuova. The paper is titled: Screening and Characterization of Emulsifying Hydrocarbon-Degrading Bacteria from Coastal Waters of the Caspian Sea. It presents a result of the screening of oil hydrocarbon degrader strains, based on an analysis of their properties, the six most effective oil degrader strains capable of degrading high oil concentrations (up to 30%) in the presence of salt (up to 5% NaCl), as well as bio emulsifiers, were selected. The obtained results show that oil viscosity decreased by more than 25% in all cases after treatment with microorganisms, which indirectly indicates the production of biologically active substances by these strains.

The third paper is a scientific review by Italian authors: Marino Lupi, Antonio Pratelli, Luca Seminara and Alessandro Farina. The paper is titled: The Development of Deep and Short Sea Shipping Container Routes Departing from Italian Ports. In this paper, an analysis of the development of Deep Sea Shipping (DSS) and Short Sea Shipping (SSS) container routes calling at Italian ports, is carried out.

The fourth paper is a scientific review by Croatian authors: Miho Kristić, Srđan Žuškin, David Brčić and Maro Car. The paper is titled: Partial Analysis of ECDIS EHO Research: Port State Control. The paper introduces in the implementation of Electronic Chart Display and Information System (ECDIS) on board merchant ships. These include several parties responsible for its proper use and it involves the inspection of the maritime training institutes. The paper investigates the role of inspector and his work regarding the ECDIS system use, with an emphasis on the frequency and quality of inspection.

The fifth paper is a scientific review by Croatian authors: Miro Petković, Marko Zubčić, Maja Krčum and Ivan Pavić. The paper is titled: Wind Assisted Ship Propulsion Technologies – Can They Help in Emissions Reduction? The main focus of this article is on wind-assisted ship propulsion technologies, as a complement to ship propulsion, such as rigid sail, soft sail, wing sail, kite, and Flettner rotor. The conclusion is drawn, from fuel savings percentages, that rotor and soft sails technologies have great potential in the future of the shipping industry.

The sixth paper is a scientific review by Italian author Ljerka Vrdoljak. The paper is titled: Comparison and Analysis of Publicly Available Bathymetry Models in the East Adriatic Sea. In this paper the latest versions of six publicly available bathymetry models: DTU10bat, EMODnet 2018, ETOPO1, GEBCO 2020, Smith and Sandwell V20.1 and SRTM15+ V.2.1. are compared and evaluated in the area of continental shelf of Croatia settled along well intended east Adriatic coast.

The seventh paper is a scientific review by Croatian authors: Tihomir Luković and Damir Piplica. The text is written in Croatian language and titled: Poslovanje marina u pristupima malog i srednjeg poduzetništva (Marina Business in SME Approaches). In this research, the Croatian and German systems are analysed and compared, from which, in addition to important insights, it will be possible to conclude about the differences in the development of SME thinking, which is a key factor in the development.

The eighth paper is a professional paper by Croatian authors: Marko Milković, Ivica Krmek, Miho Kristić and Miljen Sirotić. The paper is titled: The Possibility of the Inert Gas Generator Environmental Operation Mode Utilization on Long Range 2 Oil Tankers During Discharge Operation. The paper explains that more than 400 Long Range 2 tankers are navigating the world's sea, but many of the terminals, at which these ships discharge their cargo, do not utilize their discharging capacity to the full extent. It concludes that a much better solution can be achieved by START/STOP operation mode of the IGG (Inert Gas Generator) during unloading which ensures a large reduction in emissions of harmful gases into the environment and thus is ecologically justified as presented by the methods of analysis and synthesis, comparative method and mathematical method elements.

Besides our publisher, The University of Dubrovnik, the journal is considerably supported by The Ministry of Science and Education of the Republic of Croatia. In addition to the support provided by The Ministry and our Editor, our sponsors are especially important, Atlantska plovidba being our longest continuous sponsor. Recently, Society of Friends of Dubrovnik Antiquities, Tourist Board of the City of Dubrovnik, Dubrovnik-Neretva County, Dubrovnik Airport and others have become our partners.

We are especially grateful for all the support and co-operation, and above all, for the constructive comments, suggestions and remarks that will help us sail full speed ahead in future.

Yours sincerely,

Srećko Krile
Editor-in-Chief