

Special Issue

Additive Manufacturing in Shipbuilding and Marine Industry

Message from the Guest Editors

This Special Issue of the *Applied Sciences* journal aims to target this challenging and emerging field where novel manufacturing procedures, based on 3D/4D printing, employing novel building materials and designs, meets marine technology for the on-site and on-demand manufacturing of components for the marine industry. Researchers from both academia and the industry are invited to submit unpublished research work related to the additive manufacturing of marine components on board the ship and on offshore facilities (e.g., oil and gas platforms), contributing to the on-site and on-demand part of the fabrication, the smooth operation of the industry, with minimal to no waste, a reduction in the inventory, and the improvement of the supply chain. The specific topics of interest include, but are not limited to, the following:

- Design for Additive Manufacturing—DfAM;
- The adoption of 3D printing for marine maintenance and repair applications;
- Sensing devices/detectors employing 3D and/or 4D printing;
- 4D-printed stimuli-responsive devices;
- 3D-printed marine spare parts;
- The flexible production of customized parts

Guest Editors

Prof. Dr. Dimitrios-Nikolaos Pagonis

Department of Naval Architecture, School of Engineering, University of West Attica, 122 43 Athens, Greece

Dr. Sotiria Dimitrellou

Department of Naval Architecture, School of Engineering, University of West Attica, 122 43 Athens, Greece

Deadline for manuscript submissions

closed (30 September 2024)



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/153703

Applied Sciences
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
appls@mdpi.com

[mdpi.com/journal/
appls](https://mdpi.com/journal/appls)





Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



[mdpi.com/journal/
applsci](https://mdpi.com/journal/applsci)



About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,
20133 Milano, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)