

Special Issue

Analytical, Numerical and Experimental Methodologies for the Analysis of Multilayered Structures

Message from the Guest Editors

The proposed Special Issue is aimed at papers concerning analytical, numerical and experimental analyses of multilayer structures with simple or complex geometry (plates, shells, arcs, beams, specific specimens and so on) and produced by means of classical technologies or advanced technologies such as those relating to additive manufacturing. In details, static, dynamic, free vibration, buckling and non-linear analyses of multilayered composite, sandwich, functionally graded, piezoelectric, piezomagnetic, polymeric, nanoreinforced and anisotropic structures can be proposed. Experimental tensile, compressive and bending tests can be developed to validate numerical and analytical models or to opportunely characterize the material properties. Analytical and numerical models can be based on closed-form solutions, finite element models, boundary element models, generalized differential quadrature method, Galerkin and Ritz methods and so on.

Guest Editors

Prof. Dr. Salvatore Brischetto

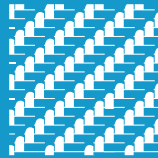
Department of Mechanical and Aerospace Engineering, Politecnico di Torino, Corso Duca Degli Abruzzi 24, 10129 Torino, Italy

Dr. Roberto Torre

European Space Agency (ESA), European Astronaut Centre (EAC), Linder Höhe, 51147 Cologne, Germany

Deadline for manuscript submissions

closed (31 December 2021)



Journal of Composites Science

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.0



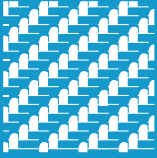
mdpi.com/si/63335

Journal of Composites Science
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
jcs@mdpi.com

mdpi.com/journal/

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





Journal of Composites Science

an Open Access Journal
by MDPI

Impact Factor 3.0
CiteScore 5.0



mdpi.com/journal/

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



About the Journal

Message from the Editor-in-Chief

Editor-in-Chief

Dr. Francesco Tornabene
Department of Innovation Engineering, University of Salento, 73100
Lecce, Italy

Author Benefits

Open Access:

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

High Visibility:

indexed within Scopus, ESCI (Web of Science), Inspec, CAPIus / SciFinder, and other databases.

Journal Rank:

JCR - Q2 (Materials Science, Composites) / CiteScore - Q1 (Engineering (miscellaneous))