

Special Issue

Advances in and Research on Ultrasonic Non-Destructive Testing

Message from the Guest Editors

Ultrasonic Non-Destructive Testing (NDT) is undergoing a transformation supported by continuous innovations in wave propagation theory, advanced sensor technologies, data acquisition systems, sophisticated signal processing algorithms, and Artificial Intelligence (AI). This rapid progress is enabling researchers to move beyond the limitations of conventional methods and explore ultrasonic inspection's full potential for use with increasingly complex materials and structures and in industrial environments.

For this Special Issue, we invite the submission of cutting-edge research articles, technical reviews, and application-driven case studies that explore novel methodologies, innovative technologies, and emerging trends in ultrasonic NDT techniques. Manuscripts with a focus on theoretical modeling, numerical simulation, experimental validation, sensor and system development, data fusion, and real-world industrial implementation are particularly encouraged.

Guest Editors

Dr. Mohsen Barzegar

Dr. Bo Feng

Dr. Dario J. Pasadas

Dr. Vykintas Samaitis

Deadline for manuscript submissions

20 January 2026



Applied Sciences

an Open Access Journal
by MDPI

Impact Factor 2.5
CiteScore 5.5



mdpi.com/si/244798

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

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, CAPlus / SciFinder, and other databases.

Journal Rank:

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