Special Issue

Advances in Audio Signal Processing

Message from the Guest Editor

This Special Issue aims to highlight the latest advances in audio signal processing and its application across a wide range of domains. We invite researchers to submit their most recent innovative research related to applications in areas such as audio quality enhancement, the use of artificial intelligence in audio analysis, and environmental acoustics. Topics of interest include, but are not limited to, the following:

- Advanced filtering algorithms and source separation techniques.
- Speech recognition and intelligibility improvement in noisy environments.
- Applications of deep learning in the classification and analysis of audio signals.
- Audio processing for biomedical and assistive technologies.
- Novel methodologies in multichannel and spatial audio analysis.
- Advances in environmental acoustics and their impact on soundscape design.

This Special Issue seeks to foster collaboration among researchers, engineers, and industry professionals by providing a platform for sharing findings that drive future innovations in audio signal processing.

Guest Editor

Dr. Jesús B. Alonso-Hernández

Instituto Universitario para el Desarrollo Tecnológico y la Innovación en Comunicaciones (IDeTIC), University of Las Palmas de Gran Canaria, Las Palmas de Gran Canaria, Spain

Deadline for manuscript submissions

15 December 2025

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/si/239783

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

mdpi.com/journal/applsci

Applied Sciences

an Open Access Journal by MDPI

Impact Factor 2.5
CiteScore 5.5

mdpi.com/journal/applsci

MDPI

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)