Special Issue

AI in Audio Analysis: Spectrogram-Based Recognition

Message from the Guest Editor

In this Special Issue, we explore and extend the field of spectrogram-based recognition. High-quality original research papers are sought in areas including (but not limited to) the following:

Applications of spectrogram-based audio classification;
Audio spectrogram-based regression;
Spectrogram-like representations for deep learning;
Audio feature transformation of spectrograms;
Efficient spectrogram-based recognition;
Spectrograms in speech analysis, enhancement, and coding;
Anomaly detection from spectral representations;
Speech and medical applications of audio spectrogram analysis.

Guest Editor

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Deadline for manuscript submissions

20 November 2025

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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

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