Special Issue

Diagnosis and Prediction of Neurological Diseases: Application of EEG-Based Technology

Message from the Guest Editors

Electroencephalography (EEG) can be considered one of the oldest and most consolidated methods to study the brain. However, we have seen a renewed concept in the use of EEG, due to the introduction of digitalization, and the massive spreading of numerical methods to unveil brain states and dynamics, which are not easily identified by the naked eye. This set of methods is commonly known as quantified EEG (qEEG). This Special Issue will provide an update on the recent clinical and preclinical advances in the prediction and diagnosis of neurological diseases by means of the numerical methods applied to EEG recordings. We aim to underscore the importance of these recent advances for both clinicians and researchers. The following topics are subject to particular interest:

- Utility of qEEG in clinical practice;
- Novel biomarkers with the potential to improve the classification and risk stratification of dementias and psychiatric pathologies;
- Usefulness of qEEG in critically ill patients and multimodal neuro-monitoring.

We cordially invite original preclinical, translational, clinical works, and review articles regarding the above-mentioned cutting-edge topics for contribution.

Guest Editors

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Deadline for manuscript submissions

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Brain Sciences

About the Journal

Message from the Editor-in-Chief

You are invited to contribute a research article or a comprehensive review for consideration and publication in *Brain Sciences* (ISSN 2076-3425). *Brain Sciences* is an open access, peer-reviewed scientific journal that publishes original articles, critical reviews, research notes, and short communications on neuroscience. The scientific community and the general public can access the content free of charge as soon as it is published.

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