Special Issue

MR-Based Neuroimaging, 2nd Edition

Message from the Guest Editors

This Special Issue is a continuation of our previous Special Issue "MR-Based Neuroimaging". This Special Issue will be focused on advancements in MRI techniques and quantitative MRI analysis, which are crucial in neuroimaging research. Contemporary and innovative analytical perspectives are now essential for uncovering MR-based biomarkers and understanding their role in the early stages of brain diseases. This Special Issue explores a comprehensive range of MRI sequences, including functional and structural MRI, as well as diffusion tensor imaging. It will address both traditional methods and novel approaches, such as the application of machine learning and deep learning techniques. Furthermore, this Special Issue is driven by the growing interest in understanding structural and functional connectivity through MR imaging, as well as the use of MR imaging to customize treatments for neurological disorders. Additionally, this Special Issue addresses the challenges associated with integrating various MRI technologies as essential biomarkers for clinical use. It also outlines potential future directions, offering a roadmap for ongoing innovation.

Guest Editors

Dr. Valeria Sacca

Department of Psychiatry, Massachusetts General Hospital, Harvard Medical School, Boston, MA 02129, USA

Dr. Fabiana Novellino

Neuroimaging Unit, Institute of Bioimaging and Molecular Physiology, National Research Council (IBFM-CNR), Viale Europa, Catanzaro, Italy

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

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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

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