

## Special Issue

# Advanced Applications of Magnetic Resonance in Biomedical Imaging

### Message from the Guest Editors

Magnetic resonance imaging (MRI) offers a sensitive and non-invasive approach for imaging of the human body as well as animal models. MRI has become one of the most heavily used medical imaging techniques for the diagnosis and follow up of diseases affecting different organs and tissues. The recent MR technical developments, especially the increased field strength, improved gradient performance, and advances in radiofrequency technology, including parallel imaging modalities, have allowed an increase of sensitivity and spatial resolution. Moreover, advanced post-processing methods, including deep learning approaches and artificial intelligence algorithms, are booming, providing further opportunities in the acquisition, reconstruction, and interpretation of MRI/MRS data. There is also an increasing interest in the low and ultra-low field MRI regime, which demonstrates performances considered not attainable until a few years ago, opening up new possibilities in multimodal imaging or integration with other therapeutic devices

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### Guest Editors

Dr. Giulio Giovannetti

Dr. Alessandra Flori

Prof. Dr. Angelo Galante

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### Deadline for manuscript submissions

closed (15 June 2023)



## Electronics

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### Message from the Editor-in-Chief

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### Editor-in-Chief

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