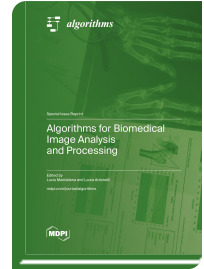*Special Issue Reprint*

Algorithms for Biomedical Image Analysis and Processing

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Biomedical imaging is a broad and crucial field, encompassing various techniques for capturing images that have diagnostic and therapeutic applications. These are pivotal in early disease detection, treatment planning, monitoring treatment effectiveness, and advancing our understanding of human physiology and pathology. The widespread use of biomedical images has increased our need for advanced image processing and analysis algorithms. As imaging technologies evolve, becoming more complex and producing larger volumes of data, the development of efficient, accurate, and reliable algorithms becomes essential. This Special Issue has gathered two topical reviews and eight original research articles on the algorithms and software tools used for image processing and analysis in different application fields. This Special Issue presents a body of work that enriches the state-of-the-art in the vast field of biomedical imaging and beyond.

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