

Special Issue

Quantification of Biological and Mechanical Changes Due to Radiation Exposure

Message from the Guest Editors

The overarching aim of this Special Issue is to enhance our understanding of mechanical and biochemical cues that bring changes in the living systems due to radiation exposure. There is a significant need to address the mechanical changes in tissues and cells that are subjected to (i) radiation exposure; and (ii) radiotherapeutic approaches at low- and high-doses. Biomechanical alteration of non-targeted tissue irradiation has been recently highlighted in literature. Yet the mechanistic regime of radiation-induced biomechanical changes in the human body is not fully understood. The goal of this Special Issue on the “Quantification of Biological and Mechanical Changes Due to Radiation Exposure” is to highlight original research papers and comprehensive reviews, dealing with micro-to-macro level changes in human physiology from a mechanics point of view.

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