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## Oxidative Stress and Damage in the Space Environment: Physiological Ground and Flight Parallels

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**closed (31 July 2018)**

### Message from the Guest Editors

Dear Colleagues,

Technological advances now allow the planning of deep space exploration missions with the aim to discover new habitats for humankind. Exciting work from a multitude of investigators across the US, Canada, Europe, and Japan have identified oxidative damage as a key risk factor to major organs and systems physiologies that could pose a threat to the health of the astronauts and the success of the mission. This Special Issue of *IJMS* is dedicated to providing a comprehensive overview of the identified risks in space flight and habitation and will focus on ground based vs. flight comparisons of how oxidative stress when exposed to space-relevant conditions such as cosmic/galactic radiation, solar particle events, hypogravity (G-variations and partial gravity) and hypoxia/hyperoxia or any aggregate combination of stressors effects the human physiology.

Prof. Dr. Melpo Christofidou-Solomidou

Dr. Thomas J. Goodwin

*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

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