

Special Issue

Oxidative Stress and Space Biology: An Organ-Based Approach

Message from the Guest Editors

Technological advances now allow the planning of deep space exploration missions with the aim to discover new habitats for humankind. The National Aeronautics and Space Administration (NASA) has spearheaded this effort and the research into the identification of risks to crew members associated with such lengthy missions. Exciting work from a multitude of investigators across the US, Europe and Japan have identified oxidative damage as a significant risk to major organs 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 and focus on how oxidative stress specifically could impact major organ systems when exposed to space-relevant conditions such as cosmic/galactic radiation, solar particle events, hypogravity, hyperoxia and hypoxia or a combination of stressors. For detailed information, you can refer to http://www.mdpi.com/journal/ijms/special_issues/space_biology_2016

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Message from the Editor-in-Chief

The International Journal of Molecular Sciences (*IJMS*, ISSN 1422-0067) is an open access journal, which was established in 2000. The journal aims to provide a forum for scholarly research on a range of topics, including biochemistry, molecular and cell biology, molecular biophysics, molecular medicine, and all aspects of molecular research in chemistry. *IJMS* publishes both original research and review articles, and regularly publishes special issues to highlight advances at the cutting edge of research. We invite you to read recent articles published in *IJMS* and consider publishing your next paper with us.

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