



## Advanced Materials under Extreme Environments

Guest Editor:

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submissions:

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### Message from the Guest Editor

Dear Colleagues,

The continuous and increasing demand for energy production and storage, aerospace transportation, and planetary exploration has driven the need to develop new materials and characterize their physical and chemical properties in extreme environmental conditions. Extreme conditions such as elevated temperatures and pressures, high radiation fields, and corrosive environments are encountered in nuclear energy, aeronautical and space applications.

In this upcoming Special Issue of *Materials*, entitled “The Advanced Materials in Extreme Environments”, welcomes contributions from all STEM fields related to experimental and theoretical research into advanced materials which have applications in extreme conditions on Earth and other planetary bodies of our solar system. Our intention is to emphasize all classes of advanced materials (metallic alloys, ceramics, polymers, and composites) exposed to extremes such as high temperatures, cryogenic conditions, high pressure, ultra-high vacuums, radiation fields, and far-from-equilibrium conditions.





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## Message from the Editor-in-Chief

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