Special Issue

Hybrid Rocket Propulsion System

Message from the Guest Editors

This Special Issue aims to bring together the latest advancements in the theory, modeling, design, and testing of hybrid rocket propulsion systems. We are particularly interested in papers that address the fundamental challenges associated with transient combustion, fuel regression rate prediction, combustion instability, scale-up effects, and applications in real cases. Additionally, contributions on innovative fuel–oxidizer combinations, advanced manufacturing techniques like additive manufacturing, and the development of throttling and thrust vector control systems for a hybrid rocket system are highly encouraged. The goal is to highlight cutting-edge research that pushes the boundaries of this technology, paving the way for its broader application in launch vehicles, in-space propulsion, and educational platforms.

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You are welcome to contribute a research article or a comprehensive review for consideration and publication in *Aerospace* (ISSN 2226-4310), an on-line, open access journal.
Aerospace adheres to rigorous peer-review as well as editorial processes and publishes high quality manuscripts that address both the fundamentals and applications of aeronautics and astronautics. Our goal is to enable rapid dissemination of high impact works to the scientific community.

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