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## Fire and Combustion in Microgravity

Guest Editors:

**Dr. Jun Fang**

**Dr. Qiang Wang**

**Dr. Feng Zhu**

**Dr. Feng Guo**

Deadline for manuscript  
submissions:

**closed (31 January 2024)**

### Message from the Guest Editors

Combustion, flame and smoke characteristics under micro-gravity conditions have attracted an extensive and worldwide research interest. In manned aircraft, such as space stations, under micro-gravity conditions, i.e., the disappearance of normal gravity, combustion behavior, flame structure, smoke particle morphology and size distribution behave differently to how they would under terrestrial conditions. Fire is prone to occur in microgravity, and fire suppression resources are scarce in the aircraft.

In this Special Issue, we seek articles that address experimental, numerical and theoretical fire and combustion dynamics in microgravity, as well as fire detection and suppression methods. Especially, innovative research, including new experimental facilities and findings, advanced fire prevention and protection technology is very much welcome.



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# Special Issue