



## Geometrothermodynamics and Its Applications

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Deadline for manuscript  
submissions:

**closed (31 March 2024)**

### Message from the Guest Editors

Modern cosmological models are based upon the cosmological principle, which has by now been well confirmed by large-scale cosmic observations and background gravitational theory. To solve the corresponding field equations that govern the dynamics of the model, an additional ingredient is necessary, implying an ad hoc relationship between thermodynamic variables. Another possibility is to use geometrothermodynamics (GTD) to find fundamental thermodynamic equations that describe the universe as a thermodynamic system. This approach would essentially allow us to apply the laws of thermodynamics within a gravity theory to describe the universe's evolution.

We would like to invite researchers to contribute articles on the applications of GTD, thermodynamic geometry, and classical thermodynamics in theoretical cosmology. Articles considering other aspects of the interplay between thermodynamics and gravity in cosmological configurations are also welcome.





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## Message from the Editor-in-Chief

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