



The Non-equilibrium Thermodynamic Foundations of Fundamental Problems from Nature

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Message from the Guest Editor

This Special Issue reviews the progress that has been made in these difficult fields through applying non-equilibrium thermodynamic formalism to these unresolved problems. Each review will be written in simple language for the non-expert, thereby allowing the utility of the non-equilibrium framework to be appreciated by those with little background in non-equilibrium thermodynamics and bringing wider recognition to your novel perspective on the problem.

Keywords:

- non-equilibrium thermodynamics
- Big Bang
- dark energy
- cosmology
- particle–antiparticle asymmetry
- origin of life
- homochirality
- meaning of time
- origin of complexity
- cancer
- the second law of thermodynamics

