

Journal of Non-Equilibrium Thermodynamics

The journal serves as an international organ to exchange new ideas, insights and results on

Non-Equilibrium Phenomena
in Engineering Systems

which may be described by non-equilibrium thermodynamics methods.

The central aim of the journal is to provide a forum for scientific exchange of information on

- a) newly observed non-equilibrium phenomena,
- b) analytic or fuzzy models for their interpretation
- c) new methods to describe non-equilibrium phenomena.

That is, non-equilibrium phenomena as they occur in thermophysical, chemical, biochemical, and abstract model systems should perform the basis for contributions presenting novel approaches to analyze, model, and optimize processes of engineering relevance like transport processes of mass, momentum, and energy separation processes of fluid phases, reproduction processes of living cells, and many more.

Highest priority is given to contributions which add to the basic understanding of non-equilibrium phenomena and their application to engineering problems. However, original contributions on theoretical, experimental, and computational aspects of the above mentioned processes and non-equilibrium phenomena are also welcome. The fields considered include, but are not limited to, energy science, environmental science, life sciences, and material science. By this policy, it is hoped that the journal will contribute to reduce the gap between today's theoretical advances and urgent practical needs in many fields of science and engineering which deal with non-equilibrium phenomena.

The journal addresses mechanical, chemical, and biochemical engineers, physicists, and chemists and applied mathematicians as well as computational scientists.

The journal publishes scholarly research papers, invited review articles, short communications, and "comment-and-reply-notes" on papers already published.