

Journal of Non-Equilibrium Thermodynamics

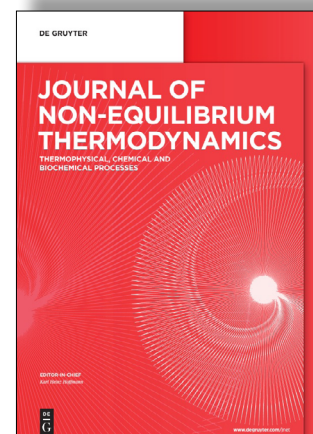


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Scope and general policies of the journal

Scope

The *Journal of Non-Equilibrium Thermodynamics* serves as an international publication organ for new ideas, insights and results on non-equilibrium phenomena in science, engineering and related natural systems. The central aim of the journal is to provide a bridge between science and engineering and to promote scientific exchange on a) newly observed non-equilibrium phenomena, b) analytic or numeric modeling for their interpretation, c) vanguard methods to describe non-equilibrium phenomena.

Contributions should – among others – present novel approaches to analyzing, modeling and optimizing processes of engineering relevance such as transport processes of mass, momentum and energy, separation of fluid phases, reproduction of living cells, or energy conversion. The journal is particularly interested in contributions which add to the basic understanding of non-equilibrium phenomena in science and engineering, with systems of interest ranging from the macro- to the nano-level.

The *Journal of Non-Equilibrium Thermodynamics* has recently expanded its scope to place new emphasis on theoretical and experimental investigations of non-equilibrium phenomena in thermophysical, chemical, biochemical and abstract model systems of engineering relevance. We are therefore pleased to invite submissions which present newly observed non-equilibrium phenomena, analytic or stochastic models for their interpretation, or new methods for their description.

Topics among others:

- Soft matter
- Biological systems
- Nano-fluids
- Soft computing models
- Quantum-Thermodynamics
- Non-equilibrium phenomena
- Optimization of thermodynamic systems
- Analytic and numeric modeling
- Transport processes of mass, momentum and energy
- Separation of fluid phases
- Reproduction of living cells
- Energy conversion

Targeted audience: researchers working in fields aligned to non-equilibrium phenomena in science, engineering and related natural systems

Journal of Non-Equilibrium Thermodynamics is an English-language, hybrid journal, published four times a year.

Article (manuscript) categories

- Scholarly Research Article
- Review Articles
- Invited Review Articles
- Educational Papers
- Short Communications
- “Comment-and-Reply-Notes” on papers already published

Special issues

Journal of Non-Equilibrium Thermodynamics may publish special issues aligned to important scientific conferences in the field of the journal. The editorial and peer review process for these special issues is managed in entirety by the Editor-in-Chief, including all final decisions.

Submission of manuscripts

- Submit manuscripts exclusively online at: <https://mc.manuscriptcentral.com/jnet>

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- formal correctness: the formal criteria have been met (also in view of the manuscript being written in understandable English),
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Acknowledgments

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Scientific names and non-abbreviated Latin expressions

Gene acronyms, alleles, genus, species, and non-abbreviated Latin expressions should be written in italic font type.

Capitalize the first letter of the genus, but not the species. Format all binomial names in italics. After the first use, genus names should be abbreviated to a first initial. For genus names starting with the same letter differentiate by including the second letter.

'sp.', 'spp.', 'ssp.', 'var.', 'L.', 'subsp.', etc. should be Roman.

Units

Use SI units. For more information, please visit <https://www.bipm.org/en/measurement-units/si-base-units>.

Units of measurement: All SI units should be in Roman, italics are not allowed. All units should be consistent in usage. Multiple units should be either spaced out or have a middle dot. A narrow non-breaking space (unicode hex value: U+202F) should be presented between numbers and units, except for °. °C and % should be spaced with a narrow non-breaking space.

Time units: Please use the following units:

Second: s

Minute: min

Hour: h

Day: day/days

Week: week/weeks

Month: month/months

Year: year/years

Audio and video

For all examples connected to an audio/video recording, supply audio/video clips. Deliver these clips as separate files and do not integrate them directly into the manuscript.

Name all your clips using the following convention:

e.g., audio-1-smith.MP3, video-1-smith.MP4,

[media]-[identifier]-[author-family-name].[extension]

Indicate the position in the article by placing a marker as follows:

[associated audio-1-smith.wav with example (1)]

Provide a short caption for each media file and number them consecutively. Any other media files can be included as part of the supplementary material.

File naming: audiosupplement-1-smith.MP3,

[media.supplement]-[identifier]-[author-family-name].[extension]

The following formats are preferred: audio files in MP3 (at least 16 bit) and video files in MP4 (at least a height of 480 pixels and a frame rate of 25). However, other common formats are also permitted.

Appendices

Use appendices for information that supports your findings but is not essential for the understanding of your paper (e.g., lengthy mathematical proofs, tables, graphics, etc.). Cite appendices within the main text. Tables and figures in the appendix should be numbered consecutively as follows: Figure A.1, Table A.1, Figure A.2, Table A.2, etc. The appendix is placed at the end of the main text before the reference list.

Supplementary material

Supplementary material, which may offer further information on your work but does not belong to the core part of the article, will not be part of the typeset article PDF. The material will be made available as a separate download in the online version of the article. Supplementary material may contain questionnaires for discussed surveys, protocols, code samples, datasets, extensive tables, additional figures, multimedia files (audio, video, animations), etc. If the manuscript is accepted, supplementary material will be referenced in the print version, but will be published online only.

Please provide supplementary material data as separate file(s) of no more than 10 MB per file during submission. Please make sure to choose the file designation “Supplementary Material” only for the files which are to be published as supplementary material. Note that the material should be publication-ready (clean files, not in tracked changes mode), as it will not be typeset, but published exactly as supplied. Within the text, the supplementary material must be cited consecutively and be referred to as supplementary material data (e.g., see Supplementary Material, Fig. 1, or Figure S1, Table S1, etc.).

Please contact the Editorial Office for any further questions:

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