

Kerntechnik

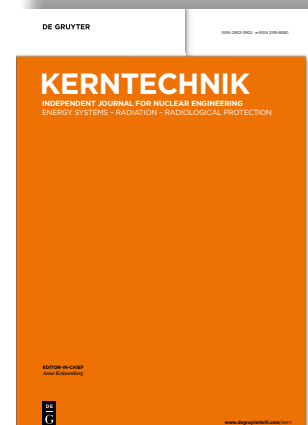


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Scope and general policies of the journal

Scope

Kerntechnik is an independent journal for nuclear engineering (including design, operation, safety and economics of nuclear power stations, research reactors and simulators), energy systems, radiation (ionizing radiation in industry, medicine and research) and radiological protection (biological effects of ionizing radiation, the system of protection for occupational, medical and public exposures, the assessment of doses, operational protection and safety programs, management of radioactive wastes, decommissioning and regulatory requirements). For more than 75 years *Kerntechnik* offers original scientific and technical contributions, review papers and conference reports.

Kerntechnik publishes six issues per volume in print and online (Feb/Apr/Jun/Aug/Oct/Dec). The publication language is English.

Article (manuscript) categories

- Research Article
- Review Article (Systematic, narrative, and focused reviews. Review articles are normally published by invitation, but suggestions to the Editors are welcome.)
- Editorial
- Proceedings Paper
- Miscellaneous (such as summaries of a conference, invitations to conferences)

Submissions in the following fields are welcome

- Design of nuclear plants
- Design and behaviour of systems, structures, components, fuels, materials
- Operation of nuclear plants
- Reactor physics of nuclear plants
- Instrumentation and controls (I&C)
- Thermal-hydraulics of nuclear plants
- Verification and validation of computer programs
- Setup of experimental test facilities
- Nuclear safety
- Nuclear security
- Radiation protection (nuclear plants)
- Decontamination, decommissioning, radioactive waste management, and fuel cycle
- Codes, standards, licensing, and regulatory issues

Special issues and special issue section

Kerntechnik publishes special and thematic issues focused on important and emerging topics in the field of study. Ideas for special issues are proposed by the journal's editorial board, but the journal will also consider proposals for special issues submitted by members of the wider research community. All proposals are assessed for quality and relevance by the Editor-in-Chief.

The journal has established a rigorous process to ensure that any special issue manuscripts follow the same high-quality standards and peer review processes as regular manuscripts. Each special issue has a dedicated Guest Editor who is responsible for the coordination of the peer review process of any manuscripts submitted to the special issue in the online submission system. The Editor-in-Chief checks the initial manuscript and assigns it to the appropriate Guest Editor. The Guest Editor invites reviewers and makes recommendations on revisions and final decisions. The Editor-in-Chief has oversight of the entire process within the online submission system and is responsible for the final decision on all manuscripts.

Submission of manuscripts

Please submit manuscripts exclusively online at <https://mc.manuscriptcentral.com/kern>

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ORCID

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We recommend the use of community-endorsed data types. If you assign a persistent identifier to your research data by archiving it in a data repository, other researchers will be able to cite your data as well as your published research article.

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Peer review, turnaround times and pre-publication policies

Rejection of manuscripts and peer review information

Submitted manuscripts will be reviewed in a two-step procedure. Firstly, the Editor-in-Chief decides whether the manuscript fulfills the substantive and formal criteria for the further peer review process. The decision is based on the following criteria:

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- originality/topicality: the content is sufficiently important and topical to be worthy to be published in *Kerntechnik*,
- formal correctness: the formal criteria have been met (also in view of the manuscript being written in understandable English),
- ethical guidelines: national and international ethical standards for studies with human and/or animal subjects are fulfilled (where applicable).

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Kerntechnik is a single-anonymized journal. Manuscripts which fulfill the substantive and formal criteria are reviewed anonymously by at least one independent reviewer selected by the Editor. The authors must provide the names, institution, country, and email addresses of at least two potential reviewers. Reviewers indicated by the authors must be of institutions different from those of any of the authors. Authors may also provide names of reviewers they wish to exclude from reviewing their manuscripts.

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Acknowledgments

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