

Special Issue

Mathematical Methods Applied in Power Systems, 2nd Edition

Message from the Guest Editors

The latest research directions in the power engineering field were motivated by the current technological developments and the gradual implementation of the “Smart Grids” concept. The planning and operation of a modern power system requires efficient management of large databases, enabling one to obtain the best solutions, essential in the decision-making process. Thus, improving routine calculations focused on data classification and complex tasks (selective analysis, multiobjective optimization, optimal online control, etc.) is fundamental. Consequently, the practical issues related to the optimal planning and operation of power systems can be solved by combining classical algorithms with the facilities offered by artificial intelligence algorithms. The second edition of the Special Issue, entitled “Mathematical Methods Applied in Power Systems”, was proposed to highlight the innovative solutions obtained using the latest models and techniques developed in the planning and operation of modern power systems.

Guest Editors

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Deadline for manuscript submissions

31 December 2026



Mathematics

an Open Access Journal
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Impact Factor 2.2
CiteScore 4.6



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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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