

# Special Issue

## Computational Methods in Electromagnetics

### Message from the Guest Editors

Computational Methods in Electromagnetics have evolved tremendously during the past few decades, in parallel with the increase in the available computational resources. The multitude of the established numerical techniques for electromagnetic analyses—ranging from methods for the solution of integral and differential equations to advanced frequency/time-domain schemes and hybrid techniques—has contributed most to this evolution, and to the expansion of the pertinent practical applications. The purpose of this Special Issue is to gather contributions from experts on numerical techniques, with an application spectrum encompassing (but not limited to) wave propagation/scattering in complex environments, stochastic modeling of electromagnetic phenomena, antenna design and optimization for use in the manmade environment, electromagnetic interactions involving real-world devices/objects, as well as bio-electromagnetic effects. Contributions with a main emphasis on analytical/semi-analytical or asymptotic approaches in electromagnetics are also welcome, provided that they exploit computer power or they are connected with computational methods/schemes.

### Guest Editors

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### Deadline for manuscript submissions

31 August 2025



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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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### Editor-in-Chief

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