Special Issue

Computational Methods in Materials Design

Message from the Guest Editors

The prospect of finding new materials, with unusual yet effective properties, that transcend the properties of natural materials has captivated the interest of the world's scientific community. One method of obtaining these new, advanced materials involves the rational manipulation of a material's microstructure, transforming it into a "smart material" with especially favorable properties for specific engineering applications. This Special Issue invites (but not is limited to) works that propose the application of mathematical models as well as the implementation of computational tools to design materials with extraordinary and/or controlled properties, as well as macroscopically-controlled response devices, targeting specific engineering applications.

Guest Editors

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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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