



Numerical Methods for Problems Arising in Mechanics

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Deadline for manuscript submissions:

closed (31 December 2022)

Message from the Guest Editors

Dear Colleagues,

Thermal control and flow analysis using the concept of fluids are considerably significant due to several applications in engineering sciences. The potential applications are avionics, automotive, cooling/heating systems in buildings, furnaces, electronic equipment, tanks containing cold/hot water, phase change materials (PCMs), petrochemical, and textile sectors. Several studies examine such mechanisms experimentally or through mathematical modeling governed by nonlinear equations in the last few eras.

However, the advancement in fluid mechanics and investigation using mathematical algorithms has been deemed to be critical. The area needs to be studied through different aspects and various geometries, while developing mathematical methods for such models will be challenging.

This Special Issue will provide a platform for researchers to present their substantial, novel, and unpublished work that will contribute positively to the scientific community and the journal. Moreover, it will provide sufficient knowledge to researchers working on the numerical treatment of fluid models.





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Message from the Editor-in-Chief

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