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Mathematical Modeling in Emergency and Disaster Situations

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Deadline for manuscript submissions:
closed (29 February 2024)

Message from the Guest Editors

Dear Colleagues,

Mathematical modeling methods are successfully used to study complex physical and chemical processes, including those occurring in the environment. In particular, mathematical modeling methods are used to study the processes associated with emergency situations. The results obtained can be used to reduce or prevent the negative consequences of emergency situations on humans and the environment.

This Special Issue aims to publish articles devoted to the study of processes associated with emergency situations of technogenic and natural origin. Potential authors are invited to submit articles on mathematical modeling of the occurrence and development of wildfires and their impact on the environment, buildings and structures, and environmental pollution (air, water, soil) due to various emergencies (explosions, fires, floods, etc.).

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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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