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Physics Methods in Coronavirus Pandemic Analysis

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closed (31 December 2021)

Message from the Guest Editors

This Special Issue aims to collect information about models or theoretical procedures that have been newly developed for, or successfully applied to, the ongoing Covid-19 pandemic. Suitable contributions should offer potentially helpful predictions, clarify the inter-dependence of phenomena, or confirm the usefulness of an existing approach. In light of the rising number of contributions addressing various aspects of the crisis, we will not accept incremental research contributions to this Special Issue. We are looking for clearly presented descriptions of either novel or more classical and promising approaches to understanding and controlling the spread of a pandemic. Purely theoretical works (including model development or statistical analysis) are welcome. Numerical works should either be reproducible with minor effort using the manuscript at hand, or have a computer code as part of the Supplementary Information. Large-scale simulations should be sufficiently well described, and offered either as part of the Supplementary Information or as an online application, using currently available data.