



## Applications of Symmetric/Asymmetric Mathematical Model in Epidemiological Researches

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Deadline for manuscript  
submissions:

**closed (31 January 2024)**

### Message from the Guest Editor

Infectious diseases in the 21st century have become complex issues to deal with by the World Health Organization (WHO). The global economic situation is worsening everyday due to the uncertainty of many known and unknown etiologies of diseases. It is important that the spread of these diseases be examined through the lens of mathematical modelling, which is less costly. The concept of symmetry has been noticed as one of the reliable approaches in solving complex epidemiological models. This Special Issue is therefore aimed at collecting new and innovative ideas regarding the mathematical modeling of infectious diseases based on the symmetry approach, computational techniques in modelling infectious diseases with symmetry, and new numeric methods for solving mathematical models in integer and non-integer order differential equations with symmetry.

Please note that all submissions should be full in the scope of the journal *Symmetry*.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

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