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Labelings, Colorings and Distances in Graphs

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Deadline for manuscript submissions:
closed (30 September 2023)

Message from the Guest Editors

Dear Colleagues,

Some of the central topics in graph theory are that of graph labeling and graph coloring. The graph labeling/coloring problem involves assigning labels/colors to certain set of graph elements subject to certain restrictions and constraints. Both graph labelings and graph colorings can be used to solve a wide variety of problems in real world, as well as theoretical challenges.

The distance between two vertices, i.e., the length of a shortest path between these vertices, is the basis of the definition of many graph parameters including metric dimension. The metric dimension and its variants have appeared in various applications of graph theory.

Please note that all submitted papers must be within the general scope of the *Symmetry* journal.

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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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