



Graph Theory with Applications

Guest Editors:

Prof. Dr. Xueliang Li

Center for Combinatorics, Nankai
University, Tianjin 300071, China

Dr. Jiaao Li

School of Mathematical Sciences,
Nankai University, Tianjin 300071,
China

Deadline for manuscript
submissions:

closed (30 June 2022)

Message from the Guest Editors

Graph theory can be traced back to 1735, when Leonhard Euler presented his solution of the Königsberg seven bridge problem. With the triumph in computer-aided resolution of the four color conjecture by Appel and Haken in 1977, graph theory entered a new era. In the past several decades, due to the increasing demands from applied sciences and other branches of mathematics, graph theory has had a dramatic development and become a flourishing discipline, including but not limited to the following subjects: algebraic graph theory, algorithmic graph theory, chemical graph theory, extremal graph theory, random graph theory, spectral graph theory, structural graph theory, topological graph theory, etc.

In this Special Issue, we would like to invite you to submit your recent research in the area of graph theory and its applications. Submissions related to all aspects of graph theory and its applications that present new theoretical results or algorithms are welcome.

