



Minisymposium Announcement and Call for Papers – Chemical Graph Theory

This is a call for submission of papers for a special issue of the journal *The Art of Discrete and Applied Mathematics* (ADAM), on topics in Chemical Graph Theory.

Additionally, we are announcing a related 15-speaker minisymposium on Chemical Graph Theory at CanaDAM 2021 (Canadian Discrete and Applied Mathematics) Conference. The CanaDAM 2021 Conference is taking place online from May 25 – May 28, 2021. Further information on CanaDAM 2021 can be found at

<https://2021.canadam.math.ca/>

About the minisymposium: This minisymposium in chemical graph theory explores various applications of graph theory to chemistry. A molecule can be described as a graph, where vertices represent atoms and edges represent chemical bonds: benzenoids and fullerenes are two examples of such graph classes. Properties of those graphs, such as perfect matchings and graph spectra, can be used to model characteristics of molecules, including stability, reactivity, and electronic structure. Other related topics in chemical graph theory include enumeration of graphs classes and algorithms for their enumeration.

About the journal: The Art of Discrete and Applied Mathematics (ADAM) is a modern, dynamic, platinum open access, electronic journal that publishes high-quality articles in contemporary discrete and applied mathematics (including pure and applied graph theory and combinatorics), with no costs to authors or readers.

Papers should be submitted by 31 December 2021 via the ADAM website. When submitting a paper, please choose the option “Chemical Graph Theory Issue of ADAM” so that it is directed to the correct editors. Papers that are accepted will appear online soon after acceptance, and papers that are not processed in time for the special issue may still be accepted and published in a subsequent regular issue of ADAM.

Nino Bašić and Elizabeth Hartung

Guest Editors