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Organic Synthesis and Asymmetry

Guest Editor:

Dr. George Papageorgiou
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Deadline for manuscript submissions:
closed (28 February 2023)

Message from the Guest Editor

Dear Colleagues,

I have been engaged for many years in the synthesis and photochemical evaluation of photosensitive 'caged' compounds as tools for neurophysiological investigations. I have also been involved the synthesis and application of chemical ligation auxiliaries for their effectiveness in solid-phase peptide synthesis. The scope of the work was not only to develop new technologies but also to improve existing tools for the synthesis of biologically useful proteins and other biomolecules. More recently my research has been focused in the design and synthesis of a variety of small molecules as tools for biomedical research, ranging from modified amino acids, heterocyclic compounds, labelled nucleosides, fluorescent probes for use as enzyme inhibitors or detectors, or as cross linkers in structural studies. Particularly synthesis of inhibitory compounds with potential to be developed as new types of antimalarial drugs or to study the role of Wnt signaling in tissue homeostasis or to study how the Wnt pathway is regulated in intestinal stem cell and cancer.

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

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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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