

## Special Issue

# Chalcogenides: New Developments and Cutting-Edge Applications

### Message from the Guest Editors

Chalcogen elements sulfur, selenium, and tellurium play a significant role in inorganic and organic chemistry, as well as in biochemistry. Many chalcogen compounds have assisted in understanding the relationships between the molecular and electronic structures of the compounds and correlating them with the properties observed in the bulk materials. Many sulfur, selenium, and tellurium species also find utility as versatile reagents in synthetic applications. Chalcogenides further have an impact in modern material technologies, as exemplified by the fabrication of electric conductors, semiconductors, insulators, coatings, ceramics, catalysts, nanotubes, polymers, and thin films. This Special Issue aims at collecting original contributions and comprehensive reviews on the topics covering synthesis, structural elucidation, and theoretical structural and reaction modeling, with special emphasis on the applications of chalcogenides both in inorganic, organic, and biochemistry.

### Guest Editors

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### Deadline for manuscript submissions

closed (29 February 2020)



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As the premier open access journal dedicated to experimental organic chemistry, and now in its 25th year of publication, the papers published in *Molecules* span from classical synthetic methodology to natural product isolation and characterization, as well as physicochemical studies and the applications of these molecules as pharmaceuticals, catalysts and novel materials. Pushing the boundaries of the discipline, we invite papers on multidisciplinary topics bridging biochemistry, biophysics and materials science, as well as timely reviews and topical issues on cutting edge fields in all these areas.

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