Special Issue

Selenium and Tellurium-Centred Metal Complexes

Message from the Guest Editor

Dear colleagues, The electronic properties of selenium and tellurium often engender unique structural properties and reactivity to heavy chalcogen-containing species, compared with lighter oxygen and sulfur congeners. This is evident in the field of coordination chemistry, where electron-rich and chemically soft selenium and tellurium-centred ligands—either monodentate or featuring chalcogens as part of a multidentate platform—are receiving increasing attention. While not as sigma-donating as the popular phosphine and *N*-heterocyclic carbene ligands, they can influence the properties of complexes in other ways, such as promoting hemilability and secondary bonding interactions. Heavy chalcogen-centred complexes have found applications as precursors to metal chalcogenides as well as homogeneous and heterogeneous catalysts for organic transformations. This Special Issue will highlight new discoveries of the coordination chemistry of selenium- and tellurium-containing ligands to draw attention to this exciting yet underrepresented class of compounds.

Guest Editor

Dr. Jamie S. Ritch
Department of Chemistry, University of Winnipeg, Winnipeg, MB, Canada

Deadline for manuscript submissions

closed (31 December 2019)

Inorganics

an Open Access Journal by MDPI

Impact Factor 3.0
CiteScore 4.1

mdpi.com/si/20532

Inorganics
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
inorganics@mdpi.com

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Inorganic chemistry remains a lynchpin of modern chemistry, not only embracing the function and reactivity of combinations of most elements of the periodic table, but also providing a footing for studies of materials, catalysts, drugs, fuels and industrial chemicals. Arguably, the role and reach of inorganics in society have never been as great as today. Adventurous research at the heart and at the extremes of inorganic chemistry is vital to further advances and Inorganics offers authors the opportunity to publish exciting new research in an open access format.

Editor-in-Chief

Prof. Dr. Duncan H. Gregory
School of Chemistry, University of Glasgow, University Avenue, Glasgow G12 8QQ, UK

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