

## 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

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### Deadline for manuscript submissions

closed (31 December 2019)



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