

Special Issue

Coordination Chemistry of Polyphosphines

Message from the Guest Editor

Chelating phosphine ligands are useful for stabilizing metal–metal bonds and can result in unusual coordination numbers and geometries. They reduce substitution equilibria of labile monodentate phosphine ligands, allow the synthesis of new solid-state inorganic materials and show potential applications in medicine.

This Special Issue consists of collecting recent information about the different coordination modes of linear and tripodal polyphosphines to metals, as well as the characterization of these compounds in both solution and solid-state.

The use of mixed hemilabile ligands with combined “soft” and “hard” donor atoms gives flexible coordination modes and introduces interesting differences in the chemistry of their metal complexes.

Reactions of the complexes induced by metals, oxidizing agents or biomolecules will also be investigated.

Guest Editor

Dr. Maria Esther Garcia Fernandez

Department of Inorganic Chemistry, University of Santiago de Compostela, E-15782 Santiago de Compostela, Spain

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

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Prof. Dr. Duncan H. Gregory

School of Chemistry, University of Glasgow, University Avenue, Glasgow
G12 8QQ, UK

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