

## Special Issue

# Functional Coordination Polymers and Metal–Organic Frameworks

### Message from the Guest Editor

Coordination Polymers (CPs) and Metal–Organic Frameworks (MOFs) are at the core of contemporary research on inorganic materials. The virtually infinite combination of their building blocks—inorganic metallic nodes (single ions or clusters) and organic polytopic linkers (polycarboxylates, bridging N-/S-/O-containing heterocycles)—generates solid air- and water-stable compounds. Interesting features from an applicative point of view are porosity, large surface area, and lattice flexibility (the “breathing” effect). These properties make them ubiquitous in several fields of materials science: gas storage and separation, luminescent sensing, heterogeneous catalysis, and magnetism. This Special Issue aims to collect full papers/critical reviews on the topic, possibly covering all the aforementioned applicative contexts. Scientific productions of both experimental and computational nature are welcome.

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### Guest Editor

Dr. Andrea Rossin

Consiglio Nazionale delle Ricerche – Istituto di Chimica dei Composti Organometallici (ICCOM-CNR), Sesto Fiorentino (Firenze), Italy

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### Deadline for manuscript submissions

closed (31 October 2020)



## Inorganics

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## About the Journal

### Message from the Editor-in-Chief

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.

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### Editor-in-Chief

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