

Special Issue

Assembly and Reactivity of Iron–Sulfur Clusters

Message from the Guest Editor

Clusters of nonheme iron and inorganic sulfide (Fe–S clusters) are one of the most ubiquitous and functionally versatile prosthetic groups in nature. Since the discovery of ferredoxins (1960s), the number of Fe–S proteins has proliferated, and new functions have emerged, revealing remarkable functional and structural diversity of these inorganic cofactors. This Special Issue aims to collect research and review contributions focused on recent advances in molecular mechanisms underlying the maturation of Fe–S proteins and in chemical mechanisms of Fe–S proteins/enzymes involved in fundamental biological processes. A preference will be given to novel function/reactivity of iron–sulfur clusters and on recent and original outcomes concerning Fe–S biogenesis in humans and bacteria. We invite you to contribute your research or review articles concerning the assembly and reactivity of Fe–S clusters, which we expect will make an important impact in the bio-inorganic chemistry field (metalloproteins/metalloenzymes).

Guest Editor

Dr. Sandrine Ollagnier de Choudens

Laboratoire de Chimie et Biologie des Métaux - UMR 5249,
Département des Interfaces pour l'Energie, la Santé et l'Environnement,
Institut de Recherche Interdisciplinaire de Grenoble, 38054 Grenoble
Cedex, France

Deadline for manuscript submissions

closed (28 February 2022)



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Impact Factor 3.0
CiteScore 4.1



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

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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.

Editor-in-Chief

Prof. Dr. Duncan H. Gregory

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

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