

Special Issue

Catalysts with Bioinorganic Metal Centres

Message from the Guest Editors

Metal ions are known to play an essential role in living systems. Although it is known that metal ions possess a key role in biological reactions, their exact functions have not been totally elucidated. Typical metal-containing bioactive compounds are involved as electron carriers; oxygen transportation agents; and hydrolase, oxidoreductase, and isomerase agents. This Special Issue focusses on molecular and supported catalysts containing essential bioinorganic metal centers (for instance, Fe, Cu, Zn, Mo, V, Co, Mn, and Ni) and related catalyzed processes. Particular attention will be paid to oxidation reactions (alkanes, alkenes, alcohols, sulfides, etc.) in which high catalyst activity, stability, and selectivity towards the desired product are pivotal parameters to be reached and understood. Thus, clarifying the reaction mechanism is strongly encouraged.

Guest Editors

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Deadline for manuscript submissions

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