

Special Issue

Structured Supports and Catalysts: Design, Preparation, and Applications

Message from the Guest Editor

Structured catalysts are obtained through the realization of a catalytically active coating on a structured support of the ceramic or metal type. Several techniques for the preparation of structured supports have been described; monoliths are generally obtained by extrusion, rolling, and piling of crimped foils, while foams are obtained with the "replication method" or the "bubble generation method". More recently, additive manufacturing techniques have been proposed to obtain conventional structures, and hybrid structures or more complex geometries, by depositing or sintering materials. Several techniques are used to realize the catalytic coating, including impregnation, washcoating, deposition, and chemical conversion. The choice of the structured support is decisive for the transport phenomena, and the chemical formulation of the coating depends on the intended application. This Special Issue of *Compounds* covers a wide range of aspects of the realization of structured supports and catalytic coatings and applications in the environmental and catalytic fields. Original research papers, short communications, and review articles are welcome.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

As a new international and multidisciplinary peer-reviewed open access journal for multidisciplinary chemistry focused on chemical compounds, Compounds (ISSN 2673-6918) has been founded to publish reviews, original research papers, communications, case reports, letters, and short notes. Our goal is for Compounds to become a journal where the scientific community can present their results under open access. Our core objective is to provide high-quality research contributions in a wide range of chemistry areas. Manuscripts dealing with chemical compounds; the relationship between structure, properties, and/or functions of all kinds of compounds; as well as chemical theory and applications are welcome.

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