



## **Biomimetic Catalysts and Selected Papers from the Future Materials 2020**

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Deadline for manuscript  
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### **Message from the Guest Editors**

As a result of millions of years of successive improvement through natural selection, nature provides solutions to overcome the activation energy in multiple biochemical processes under mild conditions. Chemists found inspiration in natural life to design new highly efficient catalysts, which also satisfy further demands, such as selectivity or sustainability. Biomimetic catalysts are used in a variety of industrial and synthetic processes ranging from biomedicine to energy, including solar fuels production, enantioselective epoxidations, Diels–Alder cycloadditions, peroxide activation, etc.

This Special Issue will cover recent progress and developments in the creation of bioinspired materials for catalysis. It is, therefore, our pleasure to invite you to contribute with a high-quality short communication, research paper, or a comprehensive review addressing novel and state-of-art topics in biomimetic catalysts.

This Special Issue will also contain accepted papers presented during Future Materials 2020. The Future Materials 2020 (<https://materialsconference.yuktan.com/>) will be held in the Lisbon, Portugal, February 26–28, 2020.





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## Editor-in-Chief

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## Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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