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Contemporary Solutions for Advanced Catalytic Materials with a High Impact on Society

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Message from the Guest Editors

The progress of contemporary society is basely related to the area of advanced materials, using novel and sophisticated designs and involving high-performance technology and material synthesis. Most advanced materials are designed for catalytic applications to satisfy the continuous requirements of our modern life, which is increasingly dependent on the catalysis. Therefore, advanced catalytic materials offer new solutions for healthcare (pharmaceuticals and therapeutics), energy (petrochemicals), new materials (polymers), transport (catalytic convertors), and the environment (water/air quality, renewable and bioproduced materials).

The main aim of this Special Issue is to highlight the contribution of advanced catalytic materials in the evolution of contemporary society, delivering practical and useful solutions with a positive societal, economic, and environmental impact. Therefore, several aspects will be considered related to the synthesis, characterization, and applications of the advanced catalytic materials. Original research papers and reviews providing new insights into the area of advanced catalytic materials are welcome.

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