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# Multifunctional Oxide-Based Materials: From Synthesis to Application

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# **Message from the Guest Editors**

Dear Colleagues,

The study and development of novel, oxide-based multifunctional materials with unique properties has become one of the most expanding fields in materials chemistry in recent years. The reason for this is that there numerous inorganic/inorganic, well are as as inorganic/organic, combinations that can be synthesized via different methods. The resulting mono-oxide and multicomponent systems or hybrids often possess exciting new properties for future materials, technological and environmental applications. This fact acts as a driving force for research and development of such systems. Even more importantly, these properties can be easily modified via the selection of hybrid components or via a typical functionalization process with the use of specific modifiers. Consequently, oxide-based hybrids have been widely applied in adsorption, catalysis (e.g., photocatalysis), polymer processing. optics. photoelectronics. electrochemistry, medicine, etc. This Special Issue focuses on recent advances in the synthesis, functionalization and application of oxide-based hybrids.









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# **Editor-in-Chief**

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## Message from the Editor-in-Chief

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