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Functional Hybrid Materials for Catalytic and Environmental Applications

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Deadline for manuscript submissions:
closed (20 August 2022)

Message from the Guest Editors

Dear Colleagues,

During the last few years, there has been a dynamic increase of interest in studies focused on the selection of appropriate synthesis or modification methods of titanium dioxide. Moreover, the selection of proper components which, together with TiO_2, form multifunctional hybrid materials with strictly defined physicochemical properties is crucial for the production of the next generation of such type of materials (photocatalysts, biocides, or electrode materials). The development of methods for obtaining modified forms of TiO_2 is very complex and requires several complicated experimental procedures. Furthermore, this great challenge allows to assess the possibility of controlling the physicochemical and structural properties of hybrid materials directly during their synthesis and of determining the mechanisms of interactions at the TiO_2–second component interface.

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Message from the Editor-in-Chief

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