Special Issue

Application of Mesoporous and Nanomaterials for Environmental Adsorption and Catalytic Degradation

Message from the Guest Editor

Traditional environmental remediation techniques have some limitations, such as high costs, lengthy remediation times, the incomplete removal of contaminants, and potential secondary pollution. Mesoporous and nanomaterials offer promising solutions due to their unique properties. This Special Issue, entitled "Application of Mesoporous and Nanomaterials for Environmental Adsorption and Catalytic Degradation", aims to address recent research advances in the use of mesoporous and nanomaterials as adsorbents and catalysts for environmental preservation. The scope of this Special Issue includes, but is not limited to, the following topics: the preparation of mesoporous and nanometric materials with high adsorbent and catalytic capacity; the surface modification of mesoporous materials and nanomaterials with adsorbent and catalytic characteristics; the development of efficient methods for regeneration of mesoporous and nanometric adsorbent materials and catalysts; the application of mesoporous and nanometric materials in water and effluent treatment, the removal of toxic gases, CO2 capture, soil remediation, etc.

Guest Editor

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Editor-in-Chief

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