

Special Issue

Recent Progress on Porous Material Supported Nanostructured Palladium and Other Metals for Hexavalent Chromium Reduction Applications

Message from the Guest Editors

In recent years, porous carbon has gained considerable attention because of its well-developed pore structure, high surface area, and surface chemical functional groups. This Special Issue provides new insights into the catalytic reduction of Cr(VI) for wastewater treatment. Moreover, the current issue will highlight the recent developments in the synthesis and characterization of palladium or other metal/carbon nanocatalysts used for the reduction of Cr(VI). This Special Issue will cover the most recent progress and the advances in the field of the different Pd or other metal NPs/carbon nanocomposites that are of importance to the reduction of Cr(VI). In the current research and development scenario, the viewer can easily grasp the fundamentals of the preparation route, mechanisms, and advantages of these metal nanocomposites. Finally, recent challenges related to advanced Pd or other metal-based carbon nanomaterials and perspective will be discussed in this issue.

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