



catalysts

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Non-critical Element- and Non-critical Loading of Critical Element-Based Catalysts for Environmentally Friendly Catalytic Processes

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Message from the Guest Editor

Modern society has an ever-increasing demand for environmentally friendly catalytic processes, either for clean manufacturing of chemicals or for renewable energy production, elimination of environmental pollutants from air, water and soil or for waste conversion into useful products. Although noble metal-based catalysts have proven to be very efficient for all these environmentally friendly catalytic processes, due to their scarcity and cost, alternative catalytic technologies are being developed based on non-critical elements. This Special Issue is focused on “Non-critical Element (Ni, Fe and Co)-Based Catalysts for Environmentally Friendly Catalytic Processes” with the aim to present the most recent and innovative scientific results in this field, regarding all aspects of design and formulation, preparation, characterisation, scale-up and engineering aspects for commercial applications.



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Special Issue