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# Catalysts for Energy and Environmental Applications

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Deadline for manuscript submissions:
**closed (30 April 2021)**

## Message from the Guest Editor

This Special Issue aims to update the findings related to oxide-containing materials employed as catalysts for the production of ecological fuels and in the environmental protection, respectively. Special attention is directed at the development of such catalysts by waste valorization, since this sustainable approach would enable both an economy of natural resources and a diminution of energy consumption in the synthesis of these materials. The design of modified layered double hydroxides and perovskite structures, including thin-film heterostructures, also leads to a wide range of new materials which can act as catalysts for the production of hydrogen and other ecological fuels, as well as for the degradation of organic pollutants from liquid and gaseous effluents.

I cordially invite you to contribute your recent work (review articles, original papers, and communications) to this Special Issue, but not limited to, the following materials-oriented categories:

- LDH-derived mixed oxides and/or LDHs-composites;
- Perovskites and/or perovskite composites;
- Oxide catalysts from waste materials;
- Oxometallate based materials;
- Supported metal catalysts

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## Message from the Editor-in-Chief

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