



Layered Double Hydroxides (LDH) and LDH-Based Hybrid Composites

Guest Editor:

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Message from the Guest Editor

LDHs are a class of two-dimensional layered anionic structures. The features of LDH phases include the following: ease of synthesis, controllable and flexible chemical composition, and relatively large surface area. These contribute to their potential applications in adsorption-based processes, catalysis, electrochemistry, polymer chemistry, biomedicine, and wastewater treatment.

The Special Issue will cover, but not be limited to, the following topics:

- + the synthesis of pure LDH phases of different chemical compositions by various experimental approaches;
- + the synthesis of hybrid LDH-based materials involving the use of clays and clay minerals, zeolites, metals, and oxides/hydroxides;
- + the characterization of LDH and LDH-based materials at an atomic level with advanced analytical methods;
- + applications of LDH and LDH-based materials in the adsorption, catalysis, and synthesis of polymer composites and drug delivery.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full research papers, short communications, and reviews are welcome.





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Editor-in-Chief

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Message from the Editor-in-Chief

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