Advances in Nanomaterials for Selective Adsorption

Guest Editor:

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closed (5 August 2021)

Message from the Guest Editor

This Special Issue on "Advances in Nanomaterials for Selective Adsorption" will collect high-quality works focusing on the latest advances on nanomaterials application for selective adsorption of inorganic and organic species from water. This Special Issue is expected to present studies on fundamental physical- chemical aspects of adsorption, as well as on nanomaterials synthesis, characterization, and surface modification for obtaining selectivity. Applicative works, involving the use of nanomaterials for the treatment of real samples, are also welcome. Topics include, but are not limited to:

- Selective adsorption of heavy metal ions and other inorganic species for water treatment;
- Adsorption of persistent organic pollutants;
- Adsorption of pharmaceutical drugs
- Adsorption and recovery of precious metals;
- Thermodynamic aspects of adsorption from solutions on nanomaterials;
- Computational modelling of surface–solute interactions

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SpecialIssue

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Message from the Editor-in-Chief

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