



Characterization of Particulate Solids

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Message from the Guest Editor

The characterization of particulate solids still represents a challenge in many sectors where individual units (i.e., particles) characterized by specific chemical–physical attributes, are handled, processed and/or produced.

The aim of this Special Issue is to present, analyze, and discuss current and innovative analytical approaches to performing particulate solids characterization both at the laboratory (i.e., offline) and plant (i.e., online) scale. Particular emphasis will be placed on the role of particulate solids characterization with respect to the implemented processing actions as well as the design, implementation, and setup for product traceability and determination of quality control strategies.

Topics to be covered in this Special Issue include:

- characterization techniques—microscopy, spectroscopy, electrochemical, static and dynamic image analysis, chemical imaging, adsorption, diffraction, magnetic and scattering techniques;
- particles—organic and inorganic materials, polymers, quantum dots, 2D materials;
- particle systems—primary and secondary raw materials, pharmaceuticals, food, pigments, fillers, coatings.





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Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal Applied Sciences has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

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