

Special Issue

Advances in Phosphate Materials: Structural, Technological and Biomedical Applications

Message from the Guest Editors

Phosphates are a large group of materials that are present in nature as minerals and can also be synthesized. The impact of inorganic phosphorus in the form of phosphate PO_4^{3-} is undeniable in our lives, since it is a basic constituent in the most vital biological macromolecules in living organisms, such as RNA, DNA, ADP, ATP, proteins, and lipids. The biological apatite that forms hard bones and teeth is carbonated hydroxyapatite, which is a phase of calcium phosphates.

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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