Special Issue

Pathological Calcification—A Materials Perspective

Message from the Guest Editor

In this Special Issue we bring attention to a less known biological mineralization process, but with huge impact on human health: pathological mineralization. Such mineralization takes place in practically all soft tissues as a consequence of the most diverse diseases, from dementia to cardiac conditions. In general, pathological mineralization can take the form of a wide range of materials, such as calcium phosphates, calcium carbonates, calcium oxalates and iron oxides (depending on the issue affected and type of disease). Full papers, communications and reviews are all welcome. Representative topics include but are not limited to: cardiovascular calcification, cancer calcification, ectopic calcification, macular degenerative disease, bioinorganic material science, biomineralization associate human health, mineralomics, metallomics, inorganic biochemistry, ectopic mineralization, stenosis, calcium metabolism and phosphate metabolism. Keywords

- pathological calcification
- calcification
- calcific diseases
- mineralomics

Guest Editor

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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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