

Special Issue
**PRODUCTION AND CHARACTERIZATION OF BIO CERAMIC
COMPOSITES**

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AIM AND SCOPE

Bioceramics are an important subset of biomaterials. Calcium phosphate ceramics, such as hydroxyapatite (HA), tricalcium phosphate (TCP) and biphasic calcium phosphate (BCP) are known bioceramics with bioactivity that supports cell proliferation, bone ingrowth and osseointegration. These bioceramics have been widely used in orthopedics and dentistry. Bioceramic materials can be reinforced with a second phase of reinforcement materials (i.e. polymers, metals and ceramics) to make a stronger composite materials. This special issue is dedicated to the production, characterization and recent advances in the field of bioceramic composites. We encourage researchers to submit original articles or mini review articles.

Keywords: *Bioceramic, hydroxyapatite, composite, in vitro test, bioactivity, characterization, production, nanostructured bioceramics.*

SUBTOPICS

1	Hydroxyapatite Composites	4	Microstructural Properties of Bioceramic Composites
2	Nano Bioceramic Composites	5	Mechanical Properties of Bioceramic Composites
3	Dental Composites	6	Bioactivity Test of Bioceramic Composites

SCHEDULE

Manuscript submission deadline	31 December 2014
Peer Review Due	2-4 weeks
Revision Due	3 weeks
Notification of acceptance by the Guest Editor	5-10 days
Final manuscripts due	1-3 weeks

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