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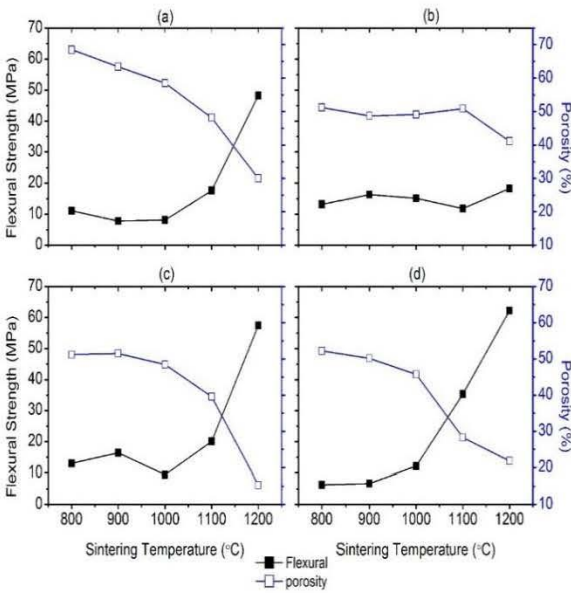
Research Gate : [Link](#)

Scopus Author ID: [6508141688](#)

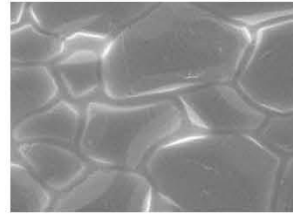


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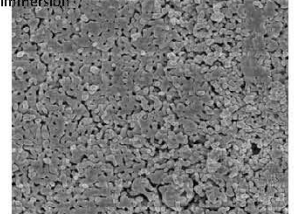
RESEARCH HIGHLIGHTS



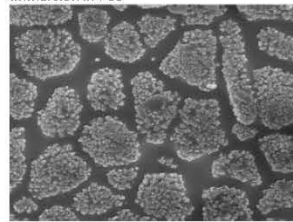
a) 20 % MMT. Sintered at 1200C. Before immersion



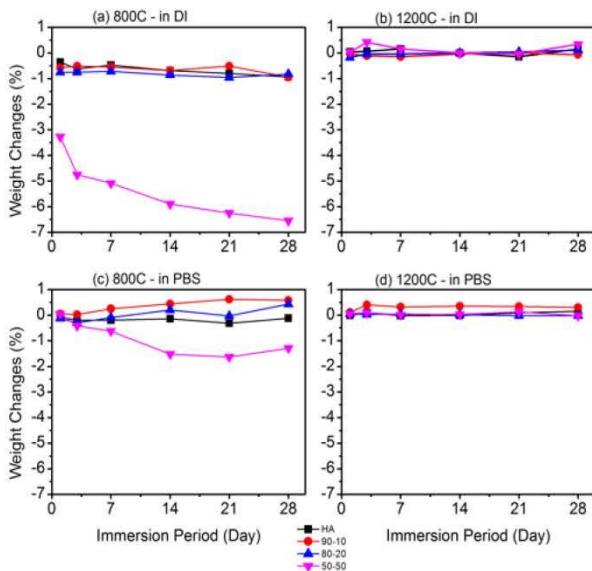
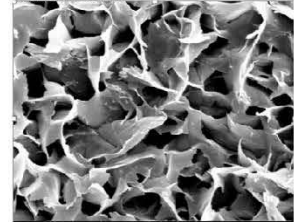
b) 50 % MMT. Sintered at 800C. Before immersion



c) 20 % MMT. Sintered at 1200C. After 28 days immersion in PBS



d) 50 % MMT. Sintered at 800C. After 28 days immersion in PBS



Hydroxyapatite/ montmorillonite nanocomposite was prepared by using powder sintering technique. Results showed that the addition of montmorillonite clay at a certain ratio and sintering of the sample at a certain temperature can improve the mechanical properties and bioactivity of the nanocomposite. The nanocomposite can be applied as a bone substitute material. It also has a potential to be used as a carrier for bone anticancer drugs.