



Synthesis, Characterization and Applications of Nano-CDHA

By Baby Gayathri, S. / Kamaraj, P.

Book Condition: New. Publisher/Verlag: LAP Lambert Academic Publishing | Reverse micellar route methodology was adopted for the synthesis of nano-calcium deficient Hydroxyapatite(nano-CDHA). The synthesized compound was characterized for the presence of nano-CDHA using X-ray Diffraction, Fourier Transform Infra-Red Spectroscopy, Energy Dispersive X-ray Spectroscopy and Transmission Electron Microscope. Application of nano-CDHA for bone implants was evaluated using MTT assay. The drug release of cefalexin when loaded with the synthesized nano-CDHA was studied and the drug release kinetics at the physiological pH was found. The catalytic activity of nano-CDHA was proved from the gasoline synthesis from ethanol and Michael s addition reaction of acetophenone and thiophenol over nano-CDHA. The gas sensing property of nano-CDHA was also evaluated and the kinetic model for gas detecting system was obtained. | Format: Paperback | Language/Sprache: english | 68 pp.



READ ONLINE
[6.24 MB]

Reviews

Extensive guide! Its such a excellent read. This can be for anyone who statte that there was not a worth looking at. I am just effortlessly will get a satisfaction of looking at a written publication.

-- **Melvin Hettinger**

This book will not be effortless to start on reading through but very exciting to learn. It is amongst the most remarkable book i have got go through. Once you begin to read the book, it is extremely difficult to leave it before concluding.

-- **Dr. Easton Collier DVM**