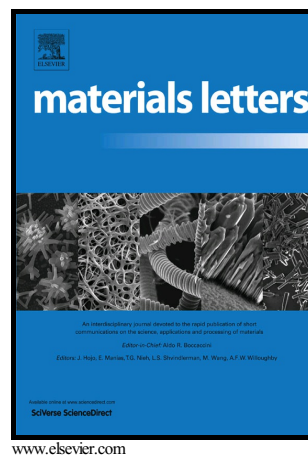


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Md. Shariful Islam, Mitsugu Todo



PII: S0167-577X(16)30348-2
DOI: <http://dx.doi.org/10.1016/j.matlet.2016.03.028>
Reference: MLBLUE20479

To appear in: *Materials Letters*

Received date: 29 December 2015
Revised date: 3 March 2016
Accepted date: 5 March 2016

Cite this article as: Md. Shariful Islam and Mitsugu Todo, Effects of Sintering Temperature on the Compressive Mechanical Properties of Collagen/Hydroxyapatite Composite Scaffolds for Bone Tissue Engineering *Materials Letters*, <http://dx.doi.org/10.1016/j.matlet.2016.03.028>

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Effects of Sintering Temperature on the Compressive Mechanical Properties of
Collagen/Hydroxyapatite Composite Scaffolds for Bone Tissue Engineering

Md. Shariful Islam^{1,2} and Mitsugu Todo^{1*}

¹Research Institute for Applied Mechanics, Kyushu University, Kasuga, Fukuoka 816-8580, Japan.

²Department of Animal Husbandry and Veterinary Science, University of Rajshahi, Rajshahi-6205, Bangladesh.

*Corresponding author:

Mitsugu Todo, Associate Professor

Research Institute for Applied Mechanics, Kyushu University, Kasuga, Fukuoka 816-8580, Japan. Tel & Fax: +81- 092-583-7762, E-mail: todo@riam.kyushu-u.ac.jp

Abstract

Hydroxyapatite (HA) porous scaffolds were prepared by a template method and fabricated using either collagen (COL) or COL/HA particles. The sintering temperature was varied to discover the sintering effects on the mechanical properties of the scaffold. It was found that fabrication of pure HA scaffolds with COL or COL/HA particles introduced a distinct layer or phase, causing the fabricated scaffolds to be strengthened and their

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