### Accepted Manuscript

Finite element modelling and characterization of 3D cellular microstructures for the design of a cementless biomimetic porous hip stem

Hassan Mehboob, Faris Tarlochan, Ali Mehboob, Seung-Hwan Chang

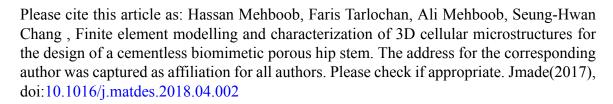
PII: S0264-1275(18)30264-8

DOI: doi:10.1016/j.matdes.2018.04.002

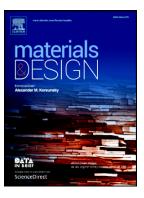
Reference: JMADE 3815

To appear in: Materials & Design

Received date: 28 January 2018
Revised date: 21 March 2018
Accepted date: 3 April 2018



This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



## ACCEPTED MANUSCRIPT

# Finite element modelling and characterization of 3D cellular microstructures for the design of a cementless biomimetic porous hip stem

Hassan Mehboob<sup>1,\*</sup>, Faris Tarlochan<sup>1</sup>, Ali Mehboob<sup>2</sup> and Seung-Hwan Chang<sup>2</sup>

<sup>1</sup>Mechanical and Industrial Engineering, Qatar University, Qatar

<sup>2</sup>School of Mechanical Engineering, Chung-Ang University, 221, Heukseok-Dong, Dongjak-Gu, Seoul 156-756,

Republic of Korea

\*Corresponding author. Tel.: +974-5014-6413

E-mail: <a href="mailto:hassan.mehboob@qu.edu.qa">hassan.mehboob@qu.edu.qa</a> (Hassan Mehboob)

#### Download English Version:

# https://daneshyari.com/en/article/7217071

Download Persian Version:

https://daneshyari.com/article/7217071

<u>Daneshyari.com</u>