

## Accepted Manuscript

Title: Comparative physical, chemical and biological assessment of simple and titanium-doped ovine dentine-derived hydroxyapatite coatings fabricated by pulsed laser deposition

Authors: L. Duta, N. Mihailescu, A.C. Popescu, C.R. Luculescu, I.N. Mihailescu, G. Çetin, O. Gunduz, F.N. Oktar, A.C. Popa, A. Kuncser, C. Besleaga, G.E. Stan



PII: S0169-4332(17)31032-2  
DOI: <http://dx.doi.org/doi:10.1016/j.apsusc.2017.04.025>  
Reference: APSUSC 35700

To appear in: *APSUSC*

Received date: 23-11-2016  
Revised date: 30-3-2017  
Accepted date: 4-4-2017

Please cite this article as: L.Duta, N.Mihailescu, A.C.Popescu, C.R.Luculescu, I.N.Mihailescu, G.Çetin, O.Gunduz, F.N.Oktar, A.C.Popa, A.Kuncser, C.Besleaga, G.E.Stan, Comparative physical, chemical and biological assessment of simple and titanium-doped ovine dentine-derived hydroxyapatite coatings fabricated by pulsed laser deposition, Applied Surface Science <http://dx.doi.org/10.1016/j.apsusc.2017.04.025>

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.

**Comparative physical, chemical and biological assessment of simple and titanium-doped ovine dentine-derived hydroxyapatite coatings fabricated by pulsed laser deposition**

L. Duta<sup>1</sup>, N. Mihailescu<sup>1</sup>, A.C. Popescu<sup>1</sup>, C.R. Luculescu<sup>1</sup>, I.N. Mihailescu<sup>1,\*</sup>, G. Çetin<sup>2</sup>,  
O. Gunduz<sup>2</sup>, F.N. Oktar<sup>2,3,4</sup>, A.C. Popa<sup>5,6</sup>, A. Kuncser<sup>5</sup>, C. Besleaga, G.E. Stan<sup>5,\*</sup>

<sup>1</sup> *National Institute for Lasers, Plasma and Radiation Physics, 077125 Magurele, Romania*

<sup>2</sup> *Department of Bioengineering, Faculty of Engineering, Marmara University, 34722 Istanbul, Turkey*

<sup>3</sup> *Department of Medical Imaging Techniques, Vocational School of Health Services, Marmara University, 34668 Istanbul, Turkey*

<sup>4</sup> *Nanotechnology and Biomaterials Application & Research Centre, Marmara University, 34722 Istanbul, Turkey*

<sup>5</sup> *National Institute of Materials Physics, 077125 Magurele, Romania*

<sup>6</sup> *Army Centre for Medical Research, 010195 Bucharest, Romania*

\*Corresponding authors:

E-mail: [ion.mihailescu@inflpr.ro](mailto:ion.mihailescu@inflpr.ro) (I.N. Mihailescu), Tel: +40-21-4574491; Fax: +40-21-4574243.

[george\\_stan@infim.ro](mailto:george_stan@infim.ro) (G.E. Stan), Tel: +40-724-131131; Fax: +40-21-3690177.

Download English Version:

<https://daneshyari.com/en/article/5350949>

Download Persian Version:

<https://daneshyari.com/article/5350949>

[Daneshyari.com](https://daneshyari.com)