

Accepted Manuscript

Title: Biphasic apatite-carbon materials derived from pyrolysed fish bones for effective adsorption of persistent pollutants and heavy metals

Authors: C. Piccirillo, I.S. Moreira, R.M. Novais, A.J.S. Fernandes, R.C. Pullar, P.M.L. Castro



PII: S2213-3437(17)30448-7
DOI: <http://dx.doi.org/10.1016/j.jece.2017.09.010>
Reference: JECE 1858

To appear in:

Received date: 18-4-2017
Revised date: 10-8-2017
Accepted date: 7-9-2017

Please cite this article as: C.Piccirillo, I.S.Moreira, R.M.Novais, A.J.S.Fernandes, R.C.Pullar, P.M.L.Castro, Biphasic apatite-carbon materials derived from pyrolysed fish bones for effective adsorption of persistent pollutants and heavy metals, Journal of Environmental Chemical Engineering <http://dx.doi.org/10.1016/j.jece.2017.09.010>

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.

Biphasic apatite-carbon materials derived from pyrolysed fish bones for effective adsorption of persistent pollutants and heavy metals

C. Piccirillo,^{1,2*} I.S. Moreira,¹ R.M. Novais,³ A.J.S. Fernandes,⁴ R.C. Pullar,³
P.M.L. Castro¹

¹: Universidade Católica Portuguesa, CBQF - Centro de Biotecnologia e Química Fina e Laboratório Associado, Escola Superior Biotecnologia, Porto, Portugal

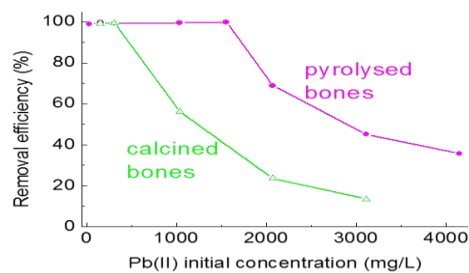
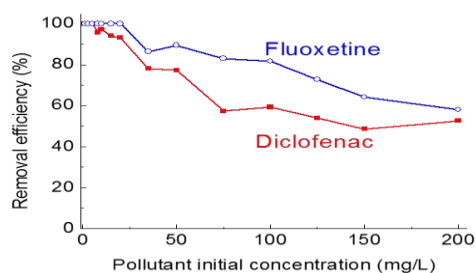
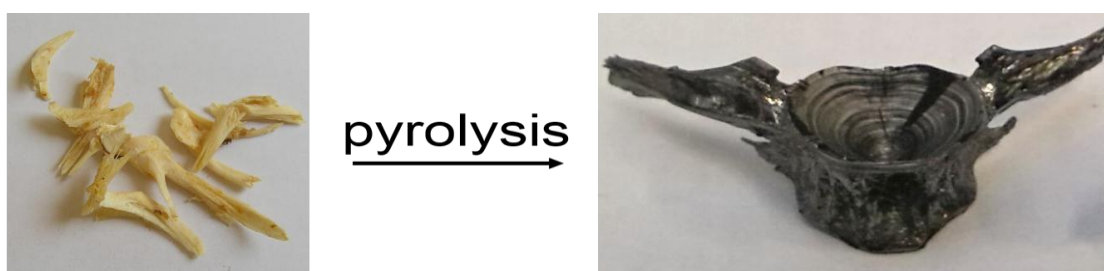
²: Institute of Nanotechnology, CNR-NANOTEC, Lecce, Italy

³: Department of Engineering of Materials and Ceramics / CICECO–Aveiro Institute of Materials, University of Aveiro, Aveiro, 3810-193, Portugal

⁴: Department of Physics, University of Aveiro, Aveiro, 3810-193, Portugal

* Corresponding author, email: cpiccirillo@porto.ucp.pt, clara.piccirillo@nanotec.cnr.it

Graphical abstract



Download English Version:

<https://daneshyari.com/en/article/6664319>

Download Persian Version:

<https://daneshyari.com/article/6664319>

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