

Accepted Manuscript

Title: Characterization, functionality and application of siliceous sponge spicules additive-based manufacturing biopolymer composites

Author: Chin-San Wu



PII: S2214-8604(17)30463-3
DOI: <https://doi.org/10.1016/j.addma.2018.04.034>
Reference: ADDMA 361

To appear in:

Received date: 10-10-2017
Revised date: 26-4-2018
Accepted date: 26-4-2018

Please cite this article as: Wu C-San, Characterization, functionality and application of siliceous sponge spicules additive-based manufacturing biopolymer composites, *Additive Manufacturing* (2018), <https://doi.org/10.1016/j.addma.2018.04.034>

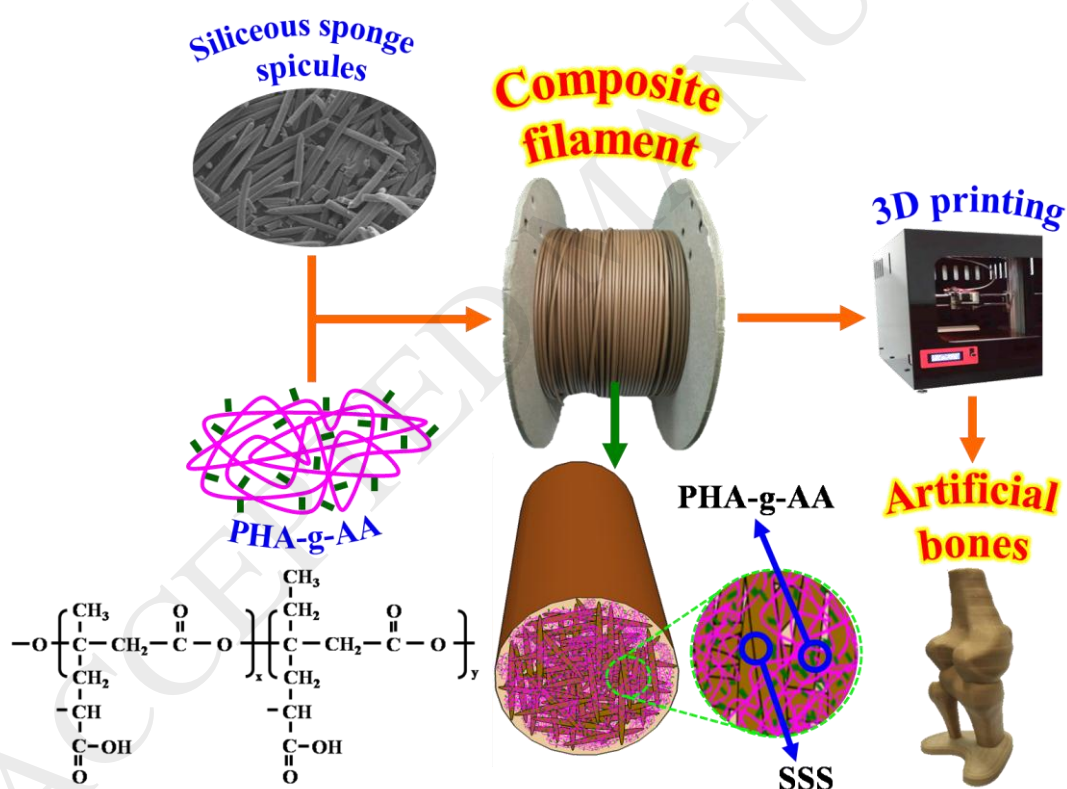
This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please 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.

Characterization, functionality and application of siliceous sponge spicules additive-based manufacturing biopolymer composites

Chin-San Wu

Department of Applied Cosmetology, Kao Yuan University, Kaohsiung County, Taiwan
82101, Republic of China

Graphic abstract



ABSTRACT

Polyhydroxyalkanoate (PHA) composites containing siliceous sponge spicules (SSS) were prepared from three-dimensional (3D) printing filaments. Acrylic acid (AA)-grafted polyhydroxyalkanoate (PHA-g-AA) and SSS were used to improve the compatibility of the

Download English Version:

<https://daneshyari.com/en/article/7205698>

Download Persian Version:

<https://daneshyari.com/article/7205698>

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