### **Accepted Manuscript**

Progress in environmental-friendly polymer nanocomposite material from PLA: Synthesis, processing and applications

Satya P. Dubey, Vijay K. Thakur, Suryanarayanan Krishnaswamy, Hrushikesh A. Abhyankar, Veronica Marchante, James L. Brighton

PII: S0042-207X(17)30554-7

DOI: 10.1016/j.vacuum.2017.07.009

Reference: VAC 7496

To appear in: Vacuum

Received Date: 9 May 2017 Revised Date: 6 July 2017 Accepted Date: 9 July 2017

Please cite this article as: Dubey SP, Thakur VK, Krishnaswamy S, Abhyankar HA, Marchante V, Brighton JL, Progress in environmental-friendly polymer nanocomposite material from PLA: Synthesis, processing and applications, *Vacuum* (2017), doi: 10.1016/j.vacuum.2017.07.009.

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

## "Graphical Abstract"

# Progress in Environmental-friendly polymer nanocomposite material from PLA: Synthesis, processing and applications

Satya P Dubey¹, Vijay K Thakur², Suryanarayanan Krishnaswamy³, Hrushikesh A Abhyankar⁴, Veronica Marchante⁵, James L Brighton<sup>6</sup>

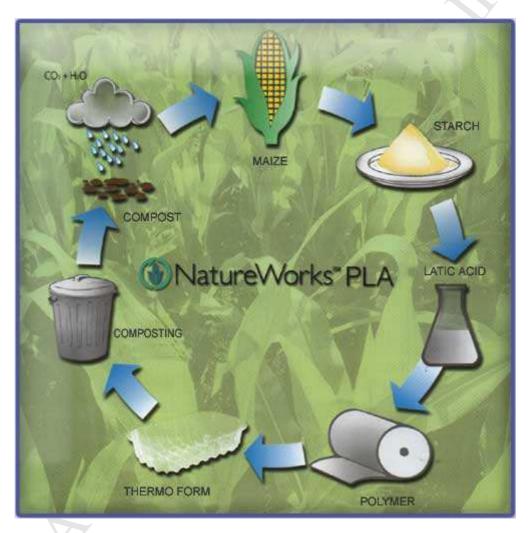


Fig. 1. PLA processing lifecycle

\_

<sup>&</sup>lt;sup>1,3,4,5,6</sup> Advanced Vehicle Engineering Centre, School of Aerospace, Transport and Manufacturing (SATM), Cranfield University, UK

<sup>&</sup>lt;sup>2</sup>Enhanced Composites & Structures Center, School of Aerospace, Transport and Manufacturing (SATM), Cranfield University, UK

A www.natureworks.com

### Download English Version:

## https://daneshyari.com/en/article/8044821

Download Persian Version:

https://daneshyari.com/article/8044821

**Daneshyari.com**