Accepted Manuscript

Title: Ulvan as novel reducing and stabilizing agent from renewable algal biomass: application to green synthesis of silver nanoparticles

Authors: Alessio Massironi, Andrea Morelli, Lucia Grassi, Dario Puppi, Simona Braccini, Giuseppantonio Maisetta, Semih Esin, Giovanna Batoni, Cristina Della Pina, Federica Chiellini

PII: S0144-8617(18)31140-8

DOI: https://doi.org/10.1016/j.carbpol.2018.09.066

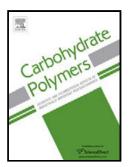
Reference: CARP 14109

To appear in:

Received date: 2-7-2018 Revised date: 7-9-2018 Accepted date: 25-9-2018

Please cite this article as: Massironi A, Morelli A, Grassi L, Puppi D, Braccini S, Maisetta G, Esin S, Batoni G, Della Pina C, Chiellini F, Ulvan as novel reducing and stabilizing agent from renewable algal biomass: application to green synthesis of silver nanoparticles, *Carbohydrate Polymers* (2018), https://doi.org/10.1016/j.carbpol.2018.09.066

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.



Ulvan as novel reducing and stabilizing agent from renewable

application to green synthesis biomass: algal silver

nanoparticles.

Alessio Massironi¹, Andrea Morelli¹, Lucia Grassi², Dario Puppi¹, Simona Braccini¹,

Giuseppantonio Maisetta², Semih Esin², Giovanna Batoni², Cristina Della Pina³, Federica

Chiellini1*

¹ Department of Chemistry and Industrial Chemistry, University of Pisa, UdR INSTM PISA, Pisa (Italy)

² Department of Translational Research and New Technologies in Medicine and Surgery, University of Pisa

Pisa (Italy)

³ Department of Chemistry, University of Milano, ISTM-CNR, Milano (Italy)

^ These authors contributed equally to the work.

*Corresponding author at: Prof. Federica Chiellini Tel. +039 0502219333; Fax: +039 0502219260.

Email address: federica.chiellini@unipi.it

Graphical abstract

1

Download English Version:

https://daneshyari.com/en/article/11027180

Download Persian Version:

https://daneshyari.com/article/11027180

<u>Daneshyari.com</u>