Accepted Manuscript

Title: Rhizobacteria and Plant Symbiosis in Heavy Metal Uptake and Its Implications for Soil Bioremediation

Author: Dana Lumininulla Sobariu Daniela Ionela Tudorache Fertu Mariana Diaconu Lucian Vasile Pavel Raluca-Maria Hlihor Elena Niculina Drăgoi Silvia Curteanu Markus Lenz Philippe François-Xavier Corvini Maria Gavrilescu Professor



PII: \$1871-6784(16)32403-7

DOI: http://dx.doi.org/doi:10.1016/j.nbt.2016.09.002

Reference: NBT 916

To appear in:

Received date: 19-4-2016 Revised date: 30-7-2016 Accepted date: 6-9-2016

Please cite this article as: Sobariu, Dana Luminix21b;a, Fertu, Daniela Ionela Tudorache, Diaconu, Mariana, Pavel, Lucian Vasile, Hlihor, Raluca-Maria, Drabreve;goi, Elena Niculina, Curteanu, Silvia, Lenz, Markus, Corvini, Philippe Franccedil;ois-Xavier, Gavrilescu, Maria, Rhizobacteria and Plant Symbiosis in Heavy Metal Uptake and Its Implications for Soil Bioremediation.New Biotechnology http://dx.doi.org/10.1016/j.nbt.2016.09.002

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

Rhizobacteria and Plant Symbiosis in Heavy Metal Uptake and Its Implications for Soil Bioremediation

Dana Luminița Sobariu¹, Daniela Ionela Tudorache Fertu¹, Mariana Diaconu¹, Lucian Vasile Pavel^{1,2}, Raluca-Maria Hlihor¹, Elena Niculina Drăgoi³, Silvia Curteanu³, Markus Lenz^{4,5}, Philippe François-Xavier Corvini⁴, Maria Gavrilescu^{1,6*}

¹ Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Environmental Engineering and Management, 73 Prof.Dr.Docent D. Mangeron Street, 700050, Iasi, Romania

² Gheorghe Asachi" Technical University of Iasi, Faculty of Hydrotechnical Engineering, Geodesy and Environmental Engineering, Department of Hydrology and Environmental Protection, 65 Prof.Dr.Docent D. Mangeron Street, 700050, Iasi, Romania

³ Gheorghe Asachi" Technical University of Iasi, Faculty of Chemical Engineering and Environmental Protection, Department of Chemical Engineering, 73 Prof.Dr.Docent D. Mangeron Street, 700050, Iasi, Romania

⁴University of Applied Sciences and Arts Northwestern Switzerland, School of Life Science, Institute for Ecopreneurship, Gruendenstrasse 40, 4132 Muttenz, Switzerland

⁵Sub-Department of Environmental Technology, Wageningen University, 6700 EV Wageningen, The Netherlands

⁶Academy of Romanian Scientists, 54 Splaiul Independentei, RO-050094 Bucharest, Romania

*Corresponding author: Professor **Maria Gavrilescu**, "Gheorghe Asachi" Technical University of Iasi, Romania, Department of Environmental Engineering and Management, 73 Prof.dr.docent Dimitrie Mangeron Street, 700050, Iasi, Romania, email: mgav@tuiasi.ro, mgav_ro@yahoo.com, Phone: +40-232-278680, ext. 2137, Fax: +40-232-271311

Download English Version:

https://daneshyari.com/en/article/4754898

Download Persian Version:

https://daneshyari.com/article/4754898

<u>Daneshyari.com</u>