Accepted Manuscript

Potential plant growth-promoting strain *Bacillus* sp. SR-2-1/1 decolorized azo dyes through NADH-ubiquinone:oxidoreductase activity

Faisal Mahmood, Muhammad Shahid, Sabir Hussain, Tanvir Shahzad, Muhammad Tahir, Muhammad Ijaz, Athar Hussain, Khalid Mehmood, Muhammad Imran, Shahid Ali Khan Babar

PII: DOI: Reference:	S0960-8524(17)30379-6 http://dx.doi.org/10.1016/j.biortech.2017.03.098 BITE 17802
To appear in:	Bioresource Technology
Received Date: Revised Date: Accepted Date:	 11 January 2017 13 March 2017 17 March 2017



Please cite this article as: Mahmood, F., Shahid, M., Hussain, S., Shahzad, T., Tahir, M., Ijaz, M., Hussain, A., Mehmood, K., Imran, M., Ali Khan Babar, S., Potential plant growth-promoting strain *Bacillus* sp. SR-2-1/1 decolorized azo dyes through NADH-ubiquinone:oxidoreductase activity, *Bioresource Technology* (2017), doi: http://dx.doi.org/10.1016/j.biortech.2017.03.098

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

Potential plant growth-promoting strain Bacillus sp. SR-2-1/1 decolorized azo dyes through

NADH-ubiquinone:oxidoreductase activity

Faisal Mahmood^a, Muhammad Shahid^b*, Sabir Hussain^a, Tanvir Shahzad^a, Muhammad Tahir^c, Muhammad Ijaz^d, Athar Hussain^e, Khalid Mehmood^f, Muhammad Imran^{g,h} and Shahid Ali Khan Babar^a

^aDepartment of Environmental Sciences & Engineering, Government College University Faisalabad 38000, Pakistan

^{b*}Department of Bioinformatics & Biotechnology, Government College University Faisalabad 38000, Pakistan

^cDepartment of Environmental Sciences, COMSATS Institute of information technology, Vehari campus, Pakistan

^dCollege of Agriculture, Bahauddin Zakariya University, Bahadur Sub-Campus Layyah, Pakistan ^eNational Institute for Biotechnology and Genetic Engineering (NIBGE), Faisalabad, Pakistan ^fDepartment of Agro-ecology, Faculty of Science and Technology, Aarhus University, Denmark ^gDepartment of Soil Science, Muhammad Nawaz Shareef University of Agriculture, Multan, Pakistan

^hSoil Science Division, Nuclear Institute for Agriculture and Biology (NIAB), Faisalabad 38000, Pakistan

*For correspondence:

Download English Version:

https://daneshyari.com/en/article/4997357

Download Persian Version:

https://daneshyari.com/article/4997357

Daneshyari.com