

Accepted Manuscript

Influence of salicylic acid pretreatment on seeds germination and some defence mechanisms of *Zea mays* plants under copper stress

Šárka Moravcová, Jiří Tůma, Zuzana Kovalíková Dučaiova, Piotr Waligórski, Monika Kula, Diana Saja, Aneta Słomka, Wojciech Bąba, Marta Libik-Konieczny



PII: S0981-9428(17)30370-4

DOI: [10.1016/j.plaphy.2017.11.007](https://doi.org/10.1016/j.plaphy.2017.11.007)

Reference: PLAPHY 5047

To appear in: *Plant Physiology and Biochemistry*

Received Date: 16 August 2017

Revised Date: 11 November 2017

Accepted Date: 12 November 2017

Please cite this article as: Š. Moravcová, Jiří. Tůma, Zuzana.Kovalíá. Dučaiova, P. Waligórski, M. Kula, D. Saja, A. Słomka, W. Bąba, M. Libik-Konieczny, Influence of salicylic acid pretreatment on seeds germination and some defence mechanisms of *Zea mays* plants under copper stress, *Plant Physiology et Biochemistry* (2017), doi: 10.1016/j.plaphy.2017.11.007.

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.

Influence of salicylic acid pretreatment on seeds germination and some defence mechanisms of *Zea mays* plants under copper stress

Šárka Moravcová¹, Jiří Tůma¹, Zuzana Kovalíková Dučaiová¹, Piotr Waligórski², Monika Kula², Diana Saja², Aneta Słomka³, Wojciech Bąba⁴, Marta Libik-Konieczny^{2*}

¹Department of Biology, Faculty of Science, University of Hradec Kralove, Hradecka 1285, 500 03 Hradec Kralove, Czech Republic, sarka.moravcova@uhk.cz

²The Franciszek Gorski Institute of Plant Physiology, Polish Academy of Sciences, Niezapominajek 21, 30-239, Krakow, Poland

³Institute of Botany, Department of Plant Cytology and Embryology, Jagiellonian University, Gronostajowa 9, Krakow, Poland

⁴Institute of Botany, Department of Plant Ecology, Jagiellonian University, Lubicz 46, Krakow, Poland

* corresponding author: libik@ifr-pan.edu.pl

Marta Libik-Konieczny
The Franciszek Górski Institute of Plant Physiology
Polish Academy of Sciences
Niezapominajek 21, 30-239
Kraków, Poland
libik@ifr-pan.edu.pl
(+48) 12 4251833

Download English Version:

<https://daneshyari.com/en/article/8353590>

Download Persian Version:

<https://daneshyari.com/article/8353590>

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