

# Accepted Manuscript

Unraveling the mode of antifungal action of *Bacillus subtilis* and *Bacillus amyloliquefaciens* as potential biocontrol agents against aflatoxigenic *Aspergillus parasiticus*

Fatemeh Siahmoshteh, Zohreh Hamidi-Esfahani, Davide Spadaro, Masoomah Shams-Ghahfarokhi, Mehdi Razzaghi-Abyaneh

PII: S0956-7135(17)30532-7

DOI: [10.1016/j.foodcont.2017.11.010](https://doi.org/10.1016/j.foodcont.2017.11.010)

Reference: JFCO 5856

To appear in: *Food Control*



Please cite this article as: Fatemeh Siahmoshteh, Zohreh Hamidi-Esfahani, Davide Spadaro, Masoomah Shams-Ghahfarokhi, Mehdi Razzaghi-Abyaneh, Unraveling the mode of antifungal action of *Bacillus subtilis* and *Bacillus amyloliquefaciens* as potential biocontrol agents against aflatoxigenic *Aspergillus parasiticus*, *Food Control* (2017), doi: 10.1016/j.foodcont.2017.11.010

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.

- *Bacillus* species inhibited *A. parasiticus* growth and aflatoxins B<sub>1</sub> and G<sub>1</sub> synthesis
- *Bacillus* species targeted fungal cell membrane by affecting ergosterol synthesis
- *Bacillus* species suppressed fungal mitochondrial dehydrogenase activity
- Paradoxical effect was exhibited at applying high dose of antagonistic bacteria

Download English Version:

<https://daneshyari.com/en/article/8887996>

Download Persian Version:

<https://daneshyari.com/article/8887996>

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