Accepted Manuscript

Title: Prospects of endophytic fungal entomopathogens as biocontrol and plant growth promoting agents: an insight on how artificial inoculation methods affect endophytic colonization of host plants

Authors: Bamisope Steve Bamisile, Chandra Kanta Dash, Komivi Senyo Akutse, Ravindran Keppanan, Oluwatoyin Grace Afolabi, Mubasher Hussain, Muhammad Qasim, Liande Wang

PII: S0944-5013(18)30328-8

DOI: https://doi.org/10.1016/j.micres.2018.08.016

Reference: MICRES 26211

To appear in:

Received date: 21-3-2018 Revised date: 29-8-2018 Accepted date: 30-8-2018

Please cite this article as: Bamisile BS, Dash CK, Akutse KS, Keppanan R, Afolabi OG, Hussain M, Qasim M, Wang L, Prospects of endophytic fungal entomopathogens as biocontrol and plant growth promoting agents: an insight on how artificial inoculation methods affect endophytic colonization of host plants, *Microbiological Research* (2018), https://doi.org/10.1016/j.micres.2018.08.016

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

Prospects of endophytic fungal entomopathogens as biocontrol and plant growth promoting agents: an insight on how artificial inoculation methods affect endophytic colonization of host plants

Bamisope Steve Bamisile 1,2,3 , Chandra Kanta Dash 1,2,3,5 , Komivi Senyo Akutse 4 , Ravindran Keppanan 1,2,3 , Oluwatoyin Grace Afolabi 6 , Mubasher Hussain 1,2,3,7 , Muhammad Qasim 1,2,3 and Liande Wang 1,2,3*

¹State Key Laboratory of Ecological Pest Control for Fujian and Taiwan Crops, Fujian Agriculture and Forestry University, Fuzhou 350002, China.

²Plant Protection College, Fujian Agriculture and Forestry University, Fuzhou 350002, China.

³Key Laboratory of Integrated Pest Management for Fujian and Taiwan Crops, Ministry of Agriculture, Fujian Agriculture and Forestry University, Fuzhou 350002, China.

⁴International Centre of Insect Physiology and Ecology, P.O. Box 30772-00100, Nairobi, Kenya.

⁵Faculty of Agriculture, Sylhet Agricultural University, Sylhet 3100, Bangladesh.

⁶ Center for Molecular Cell and Systems Biology, College of Life Sciences, Fujian Agriculture and Forestry University, Fuzhou 350002, China.

⁷College of Horticulture, Fujian Agriculture and Forestry University, Fuzhou 350002, China.

*Correspondence: Liande Wang: liande_wang@126.com

Mobile No.: +86-13348291086

Postal Address: Plant Protection College, Fujian Agriculture and Forestry University, Fuzhou

350002, China

Abstract

Entomopathogenic fungi (EPF) can be established as endophytes in the host plants to offer a longterm preventive measure for pests and diseases. This practice serves as a better alternative to the

Download English Version:

https://daneshyari.com/en/article/8962115

Download Persian Version:

https://daneshyari.com/article/8962115

<u>Daneshyari.com</u>