



US009717766B2

BIO HEED INTERNATIONAL CO., LTD.

(12) **United States Patent**  
**Majeed et al.**

(10) **Patent No.:** **US 9,717,766 B2**

(45) **Date of Patent:** **Aug. 1, 2017**

(54) **PROCESS FOR ENHANCING THE VIABLE COUNTS OF LACTIC ACID BACTERIA AND USEFUL COMPOSITIONS THEREOF**

*C12N 1/20* (2006.01)  
*C12P 7/64* (2006.01)  
*A01G 1/00* (2006.01)  
*A61K 35/00* (2006.01)

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(52) **U.S. Cl.**  
CPC ..... *A61K 35/742* (2013.01); *C12N 1/20* (2013.01); *C12P 7/6409* (2013.01); *A01G 1/001* (2013.01); *A61K 2035/115* (2013.01)

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(58) **Field of Classification Search**  
None  
See application file for complete search history.

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(\* ) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

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(21) Appl. No.: **14/839,923**

(22) Filed: **Aug. 29, 2015**

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(65) **Prior Publication Data**  
US 2016/0058805 A1 Mar. 3, 2016

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**Related U.S. Application Data**

(60) Provisional application No. 62/043,599, filed on Aug. 29, 2014, provisional application No. 62/063,453, filed on Oct. 14, 2014.

(57) **ABSTRACT**

The present invention disclosed herein describes (i) the growth promotional activity of natural plant based fibres on *Bacillus coagulans* MTCC 5856; (ii) the combination of natural plant based fibres and *Bacillus coagulans* MTCC 5856 to inhibit Gram Negative pathogenic bacteria and (iii) the production of short chain fatty acids (SCFA) by *Bacillus coagulans* MTCC 5856 using plant based natural fibres.

(51) **Int. Cl.**  
*A01N 63/00* (2006.01)  
*A61K 35/742* (2015.01)

**1 Claim, 6 Drawing Sheets**

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