



KrishiKosh (कृषिकोश)

(/) An Institutional Repository of Indian National Agricultural Research System



[Advanced Search \(/advanced-search\)](/advanced-search)

[Krishikosh \(/\)](#) / [Birsa Agricultural University, Ranchi \(/handle/1/93542\)](#) / [Thesis \(/handle/1/93550\)](#)

Please use this identifier to cite or link to this item: <http://krishikosh.egranth.ac.in/handle/1/5810011068>

Authors: Murmu, Namita (</browse?type=author&value=Murmu%2C+Namita>)

Advisor: Pande, Anita (</browse?type=author&value=Pande%2C+Anita>)

Title: Characterization of culturable endophytes of finger millet (*Eleusine coracana* (L.) Gaertn.) genotype JWM1

Publisher: Birsa Agricultural University, Kanke, Ranchi, Jharkhand

Language: en_US

Type: Thesis

Pages: 53

Agrotags: null

Keywords: Characterization of culturable endophytes of finger millet (*Eleusine coracana* (L.) Gaertn.) genotype JWM1

Abstract: C1 and C2, D and G, K and L, could be unambiguously distinguished on the basis of biochemical characteristics. 3. Majority of the endophytes (6) could utilise sucrose, a common carbohydrate in plants. Other carbohydrates that could be broken down included mannitol, glucose, adonitol, lactose, sorbitol and citrate. 4. There were 9 urease producers and 8 nitrate reducers. Seven endophytes showed both the properties. These may be involved singly or in conjunction in the nitrogen assimilation pathways. 5. Three acid producers (C1, C2 and J) were found. 6. There were 7 acetoin producers which indicates that these endophytes may be fermentative in a possibly anaerobic environment. 7. One endophyte, C1, matched tentatively with *Proteus penneri*, a gram negative bacterium pathogenic to humans belonging to the family Enterobacteriaceae, class Gammaproteobacteria of the order Enterobacteriales.

Description: Characterization of culturable endophytes of finger millet (*Eleusine coracana* (L.) Gaertn.) genotype JWM1

Subject: Biotechnology

Theme: Characterization of culturable endophytes of finger millet (*Eleusine coracana* (L.) Gaertn.) genotype JWM1

These Type: M.Sc

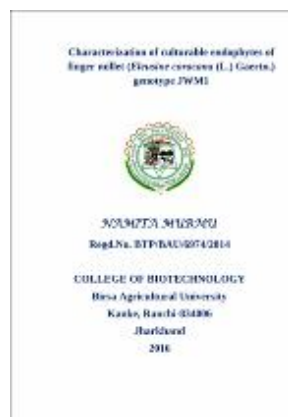
Issue Date: 2016

Appears in Thesis (/handle/1/93550)

Collections:


Files in This Item:

| File | Description | Size | Format |
|-------------------|-------------|---------|-----------|
| Namita Kumari.pdf | | 3.89 MB | Adobe PDF |



[View/Open \(/displaybitstream?handle=1/5810011068\)](/displaybitstream?handle=1/5810011068)

[Show full item record \(/handle/1/5810011068?mode=full\)](/handle/1/5810011068?mode=full)

 [\(/handle/1/5810011068/statistics\)](/handle/1/5810011068/statistics)

Items in DSpace are protected by copyright, with all rights reserved, unless otherwise indicated.