**G.B. Pant University of Agriculture and Technology, PCPGR BUILDING**
**Pantnagar Pin- 263145**
**U.S. Nagar, Uttarakhand (India)**

गोविन्द बल्लभ पन्त कृषि एवं प्रौद्योगिक विश्वविद्यालय,
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**Dr. J.P. Mishra**
Chief Executive Officer
**Intellectual Property Management Centre**

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E-mail: jpmishra.jpm@gmail.com

No. IPMC/ 723

Dated: 28th August, 2018

Dear Dr. Singh,

INTELLECTUAL PROPERTY MANAGEMENT CENTRE

## ABOUT THE TECHNOLOGY FOR MASS MULTIPLICATION OF ARBUSCULAR MYCORRHIZAL FUNGI

We send herewith a copy of the "About the Technology for Mass multiplication of arbuscular mycorrhizal fungi". The Hon'ble Vice-Chancellor has desired that this document be uploaded on the University website.

We shall be grateful if you please arrange to upload the above mentioned document on the University's Website prominently.

Thanking you,

Yours sincerely,

Jaiprakash Mishra

(J.P. Mishra)

Encl: As above

**Dr. Rajeev Singh**
Asstt. Prof. & Officer Incharge University Website
Deptt. of Computer Engineering
College of Technology
G.B. Pant Univ. of Agri. & Tech.
**Pantnagar**

Copy to: P.S, to Vice-Chancellor for kind information of the Hon'ble Vice-Chancellor please.

**Technology for Mass multiplication of Arbuscular Mycorrhizal Fungi**

The method developed addresses the mass cultivation of *R.intraradices*PM1 strain of arbuscular mycorrhizal fungi. The strain was isolated from an agricultural area selected for of the purpose and cultured axenically with Ri-tDNA transformed roots of carrot (*Daucus carota*). The spore number is ranging from 300-350/ml and having the infectivity propagules ~ $10^5$/g of inoculum. The mass propagation can be utilized further in designing a biofertilizer formulation, which can be beneficial for application at large scale and enhance the crop yield in a sustainable manner and also improve the soil health.