

DRPCA Pusa, (Samastipur)  
DATE: 06/04/22  
DIARY NO: 14 ARIS Cell (140)  
PIN CODE: 848125

Vijay  
Pr.  
06/4/22



**Directorate of Research**  
**Rajendra Prasad Central Agricultural University, Bihar,**  
**Pusa-848 125 (Samastipur)**

अनुसंधान निदेशालय  
राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय, बिहार, पूसा-८४८१२५ (समस्तीपुर)

**Dr. N.K.Singh**  
Director Research  
डॉ० एन० के० सिंह  
निदेशक अनुसंधान

No. : 12 /DR

Date: 06/04/2022

**Principal Investigators of University Funded Research Projects/Other Projects**

**Sub: Submission of Research Highlights for compilation in Agenda note**

You are requested to kindly be prepared to submit the Research Highlights of University Funded Research Projects in the following proforma for compilation in Agenda note of **12<sup>th</sup> Research Council Meeting, Kharif-2022** on or before **12-04-2022** positively in hard and soft copy only.

Guidelines for submission of research highlights to be included in agenda notes are enclosed herewith for your convenience and uniformity in compilation of agenda notes.

N.K.Singh  
(N.K.Singh) 6/4/22

CC: Officer Incharge, ARIS Cell for display on University website and Notice Board.  
CC: Secretary to V.C. for kind information to the Hon'ble Vice-Chancellor.

**Proforma**

**University Funded Research Project/Externally Funded Research Project**

**Name of the Project/ Experiment: Selection and promotion of *Trichoderma* for crop health Under sustainable agriculture.**

**Name of the Scientist: Dr. Dinesh Rai Co-PI : Dr. P. K. Jha**

Fund sanctioned : 6.00 lakhs

Year of Start : 2017 No. of Years conducted: On going

**Brief Research Highlights:** Sixty two samples were collected from rhizospheric soils of different crops at different locations of Muzaffarpur and Samastipur districts. Soil samples were serially diluted and transferred on *Trichoderma* Selective Medium. Out of 49 *Trichoderma* isolates, 20 isolates were selected for further studies on the basis of colony growth, sporulation, morphological characteristics and antagonistic potential. All the isolates grew rapidly on PDA and showed different characteristics on conidial masses. Initially mycelial growth was creamy white, uniform, fluffy which latter appeared in sector (2 no.) and turned dark green in colour. Most of the isolates conidiophores were much branched and form loose tuft, the main branches were mostly in groups of 2-3 and stand at 90° angle. Conidia were small, subglobose, smooth walled, pale green in colour.

Plan of work for the ensuing season: To be continued.