



QUARTERLY RESEARCH PROGRESS REPORT

QUARTER: 3rd

**Research Title: CHARACTERIZATION AND QUALITY ASSESSMENT OF
LOCALLY MADE BIOFERTILIZERS**

I. Project Objectives:

General:

To evaluate the quality, characteristics, and effectiveness of different biofertilizer products developed at VSU.

Specific:

Study 1: Microbial and Molecular Analysis of Biofertilizers Developed at VSU

1. To determine the temporal variation in microbial population density in biofertilizers developed at VSU.
2. To characterize the microbial isolates obtained from the fertilizer products of VSU.
3. To profile the microbial species richness of the biofertilizer products of VSU using molecular approach.

Study 2: Temporal Variation in Physico-chemical and Bio-chemical Composition of Locally made Biofertilizers

1. To determine the temporal variation in physico-chemical and biochemical composition of biofertilizer products of VSU.

Study 3: Field Evaluation of Locally Made Biofertilizers to Selected Vegetable Crops

1. To evaluate the efficacy of biofertilizer products of VSU in the field

II. Relevance to VSU & College's Thrust and Priorities: Relevant

III. Highlights of accomplishments within the quarter

A. Targets for the quarter

Study 3: Field Evaluation of Locally Made Biofertilizers to Selected Vegetable Crops