



**QUARTERLY RESEARCH PROGRESS REPORT
SECOND QUARTER (APRIL– JUNE 2025)**

Research Title: Assessment of Climate Smart Agriculture in Hilly Upland Areas

I. Program/Project/Study Objectives

Objectives:

1. To assess and evaluate the influence of the different double hedgerow combinations on the soil erodibility.
2. To assess the physico-chemical properties of soil on the influence of IMO6, EM, and Vermicast application in the contour hedgerows on the degraded upland.
3. To evaluate the effects of different soil amendments on the growth and yield of Peanut (*Archis hypogaea*)

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

III. Highlights of accomplishments within the quarter

A. Targets for the quarter

1. Regular observation and checking on the experimental site.
2. Double hedgerow plant maintenance
3. Hedgerow biomass harvesting and sub sample collection for plant biomass analysis.
4. Conduct the analysis for physico-chemical properties of soil.
5. Conduct the analysis for soil bulk density, porosity, water holding capacity and field capacity.
6. Conduct analysis for plant tissue of Peanut (*Arachis hypogaea*).
7. Planning of test crop for the next cropping.

B. Highlights of accomplishments

1. Perform area maintenance and cleaning through weeding to the thirteen (13) experimental treatment plots, under brushing on fruits planted, grass cutting the trails to project site and any other surroundings near the experimental area.

