

Fellowship to the PG & Ph.D. students involved under the NAHEP-CAAST - IFS project:

Proposed M.Sc / Ph.D. thesis related to IFS under this NAHEP-CAAST Programme.

AGRICULTURE

- Design, Development and validation of decision support system for IFS.
- Tillage and Residue Management in Rice-Wheat cropping system for improving productivity and Soil health.
- Tillage & organic nutrient management in Finger millet & French bean Cropping System.
- Long term effect of INM on nutrient utilization and soil organic carbon storage under maize-wheat cropping system.
- Efficacy of herbicides on weed dynamics and productivity of mustard.
- Constraints analysis in adoption of integrated farming systems.
- Perception and awareness of Integrated Farming System by farmers in Jharkhand.

FORESTRY

- Bamboo (*Bambusa nutan*) + medicinal plant-based agroforestry production system: A sustainable livelihood option & carbon sequestration techniques for eastern plateau & hill region.
- Growth, yield and quality assessment of tree and fodder crops under Agroforestry system in district Ranchi of Jharkhand.
- Studies on Litter decomposition pattern in Agroforestry based Integrated Farming System.
- Identification of different components under existing tree-based farming system of Ranchi district.
- Studies on Aqua forestry based Integrated Farming System.
- Studies on High Density Jackfruit plantation with intercrop under agroforestry based Integrated Farming System.
- Standardization of biofertilizer of Quality Planting Material of Gamhar under Integrated Farming System.
- Growth and biomass performance of multi-purpose tree species for suitability as an Agroforestry species in Jharkhand.
- Effect of integrated nutrient management on growth parameters of Giloy (*Tinospora cordifolia*).

VETERINARY

- Study on production, reproductive performance and molecular characterization of black bengal goat as a component of integrated farming system in Jharkhand.

- Ameliorative efficacy of Herbal drugs in the treatment of subclinical mastitis in cow under Integrated Farming System.
- Studies in parasitic disease of cattle maintained under farming system.
- Study of haemoprotozoal diseases in calves in Jharkhand.
- Management of wound healing in small ruminant by different techniques.
- Studies on Kid mortality in and around Ranchi.
- Studies on incidence of gastro-intestinal parasites and their amelioration using herbal anthelmintics and chemical drugs in Chottanagpuri sheep.
- Study on analgesic effects of epidural levobupivacaine alone and in combination with fentanyl citrate and butorphenol in goats.
- Study on physical characteristics, reproductive and productive performances of Deshi cattle in Ranchi district of Jharkhand.