

CURRENT RESEARCH ACTIVITIES

Tomato Programme

- i. In collaboration with World Vegetable Centre (WorldVeg, formerly AVRDC), Tainan, Taiwan: APSA Ty multi-locational Trials for expression of Tomato yellow leaf curl virus resistance gene.
- ii. Identification of viruses infecting tomato in Nigeria and, their molecular and biological characterization.
- iii. Identification of alternate/alternative hosts of viruses infecting tomato in Nigeria.

Maize Programme

- iv. Prevalence and incidence of viruses infecting maize in south western Nigeria.
- v. Identification of alternate/alternative hosts of viruses infecting maize.
- vi. Studies on vectors of viruses infecting maize.

Cassava Projects

Collaboration with Scientist at the National Root Crop Research Institute (NRCRI), Umudike, Abia State in the following projects:

- vii. NEXTGEN Cassava Breeding project
- viii. West Africa Virus Diagnostics project especially as it deals with insect-virus-plant interactions in disease transmission and epidemiology

Other Projects

- ix. Citrus tristeza virus research in Nigeria with the aim of enhancing management of Citrus tristeza virus (CTV) based on disease suppression; determining diversity of CTV strain; and developing improved methods to detect, identify, and distinguish CTV strains identified in Nigeria. In collaboration with NIHORT, Ibadan.
- x. Isolation and identification of viruses infecting some medicinal plants of interest.
- xi. Identification of alternate hosts of viruses infecting yams (*Dioscorea* spp.).
- xii. Temporal abundance and distribution of vectors of viruses infecting *Dioscorea* spp. Plots in Obafemi Awolowo University Teaching and Research Farm, Nigeria.
- xiii. Assessment of diagnostic tools of Rice yellow mottle virus, distribution and biological control of its insect vectors in Southwestern Nigeria.