

## **Prof. Mubo A. Sonibare's Current Research**

- The biodiversity conservation aimed at documenting indigenous use of plants among local populace is geared towards salvaging most of the fast disappearing plant genetic resources (PGRs) from imminent destruction. Field surveys are embarked on for collection, collation and identification of medicinal plants. The ethnopharmacological claims of survey respondents on the efficacy of plants collected as recipes are evaluated through pharmacological studies in order to provide scientific evidence in support of their folkloric uses.
- Pharmacognostic evaluations of some of the plants are embarked upon to reveal interesting characters that could be employed in their standardization.
- Various molecular markers are used to demystify species variability in many plant families (e.g. Dioscoreaceae and Musaceae)
- The plant tissue culture technique is employed for the micro propagation of rare medicinal plants as a means of ensuring sustainable utilization of plant genetic resources and their conservation. Comparative evaluation of the therapeutic efficacy of the tissue culture grown plants and their wild counterparts are done to reveal the efficacy of the tissue culture technique as a reliable propagation method for plant conservation and for material supply for medicinal purposes.