

## **Short Biographical note**

### **Dr. Suarau Odutola Oshunsanya**

I bagged PhD degree at University of Ibadan in 2007 and specialized on soil physics, soil and water conservation. I have published in both local and international journals. I have served in various committees at University level. I have supervised many undergraduate and postgraduate students. My research focus is on soil and water conservation. Vetiver grass strips have been employed on the field to reduce surface runoff and consequently reducing the quantity of soil loss. Slope stabilization on the farmlands has been achieved by the use of vetiver grass strips planted across the slope. Crops (maize, okra, potato, cassava) grown within vetiver grass alleys were increased by varying degrees. Also, organic-based materials have been used to amend degraded farmlands for sustainable crop cultivation. Recently, alternative methods of reducing soil loss due harvesting root and tuber crops have been developed for low income resource farmers. Soil adhering to harvested tubers has been quantified under cocoyam, yam and potato planted to a coarse textured. Due to low nutrients carrying capacity of Nigerian soils, biochar (a slow nutrient releaser) has been incorporated to boost the nutrient capacity and water retention capacity of Alfisol. Research work is still going on on how biochar can improve soil available water for sustainable crop cultivation. Also, predicting the yields of crops (yam and cocoa) from soil nutrients using electrical resistivity is in progress.