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Growth and yield of turmeric (*Curcumin longa*) as influenced by organic manure sources in Obubra, southeastern Nigeria

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A field experiment was conducted at Obubra in the forest belt of Southeastern Nigeria in 2014 cropping season to study the effects of organic manure sources on the growth and yield of turmeric. The experiment was laid out as a randomized complete block design (RCBD) with three replicates. Treatments comprised *Moringa oleifera* biomass at 10 t/ha, Poultry droppings at 10 t/ha, Cow dung at 15 t/ha and Rice husks at 15 t/ha. Organic manure sources significantly ($p<0.05$) increased turmeric plant height and yield. Poultry droppings and cow dung gave the highest plant height of 84.1 cm and 80.9 cm respectively and rhizome yield of 9056 kg/ha and 8028 kg/ha respectively. This was followed by *Moringa* biomass and rice husk with a yield of 6806 kg/ha and 5667 kg/ha respectively.

Biography

Thomas Ojikpong completed his PhD in 2007 from Michael Okpara University of Agriculture, Umudike, Nigeria in Agronomy, specializing in Crop Production and Physiology. He has also obtained a Postgraduate Certificate in Horticulture from The Hebrew University of Jerusalem, Rehovot Israel and the Overseas Technical Teachers Award Certificate from The University of Wolverhampton, Walsall UK. He is the Acting Dean of the Faculty of Agriculture and Forestry, Cross River University of Technology, Obubra-Nigeria. He has published more than 20 papers in reputed journals.

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