

# Review of: "Growth, Instability and Trend Analysis of Rice Production Indicators in Nigeria"

R. Jayakumara Varadan<sup>1</sup>

<sup>1</sup> Central Institute for Cotton Research

**Potential competing interests:** No potential competing interests to declare.

The authors have done a commendable work in bringing into fore the inherent problems of Nigerian rice production by using appropriate methodologies.

The trend analysis of area, production and yield in Figures 1 and 2 followed by Table 2 clearly illustrate that the resultant production gain is mainly due to area expansion while yield remains a major concern all through the study period.

Moreover, the high instability in yield raises concern about its erratic nature which will greatly impact the food security of the nation.

Here, I want to indicate some typographical errors for the betterment of the manuscript:

1. Page 2, 3rd line under Section 1 Introduction: The sentence says that the population of the undernourished grew by 1.5%. Then how it will be "8.5% to 1.5%". Kindly check.
2. Page 4, 5th line under Section 2.1 "History of rice types in Nigeria": What it means that "African rice is farmed as both a field crop and a paddy crop"?
3. Page 4, 3rd line under Section 2.3 "Review of past studies: Is it "adapted" or "adopted"? Kindly check.
4. Page 9, 2nd paragraph under Section 4.2 "CAGR": Kindly quote the reference for the Indian study. When compared to India's CAGR in rice yield, production and area ie.4.97%, 5.48% and 0.48% Nigeria has fared better with respect to production and area ie. 16% each. Only CAGR of yield is lesser ie.<1% when compared to 4.97% of India. Given these facts, the whole paragraph is confusing with inconsistent interpretation. Kindly rectify.
5. Page 10, 2nd and 3rd paragraphs under Section 4.4: Please remove the repetition. Then continue the first sentence of the 2nd paragraph with "during the sub-period 1993-2007, production was most erratic, and during the last sub-period 2008-2020, yield was most erratic".

Best wishes