

Review of: "Improving agriculture and food security in Africa: Can the one health approach be the answer?"

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Potential competing interests: No potential competing interests to declare.

Reviewer's Comment

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The practicality of one health as a holistic approach to enhancing food security and sustainable food systems in Africa is an inventive multidisciplinary perspective. The authors accentuate the nexus between the health of flora, fauna and nature (ecosystem), as a critical opportunity for stakeholders' engagement and cross-disciplinary interactions towards African agricultural sustainability. Such integrated capacity, despite its challenges, underscore the imperative of sustainability education and capacity building, policy conception and implementation, funding, advocacy, and collaboration across different disciplines in addressing Africa's food insecurity.

A critical and convincing aspect of the review is the authors' discussion of the challenges of zoonotic diseases, climate change, natural disasters, and antimicrobial resistance to food value chains, and the imperative of one health approach in agriculture as an equilibrium between consumers, the environment, and the ecosystem. This thought can be further enriched along integrated development and sustainable agricultural techniques, with people at the heart of its implementation along the SDGs target and the Aspirations of the AU Agenda 2063. I would suggest that the authors ponder on the strategies for enhancing agenda setting at the local level on animal-human-ecosystem interface, and monitoring and evaluation of policies on livelihoods and human security reflecting the one health technique. Nevertheless, I have elicited some concerns below.

First, the word "panacea", as found in the review's section 3, line 3, is more applicable to the medical or biological field, since this is a social science research, a synonym e.g., "solution" would be better.

Second, the authors might need to provide a section on the research method, indicating the choice of the data (literature) collection, how the review was systematically conducted and its research results. In other words, the section captures the specific procedures or techniques used to identify, select, process, and analyze data in chosen research. This allows the reader to critically evaluate a study's overall validity and reliability. 5 Key Elements of the Methodology Section should encompass: Logic of Inquiry (Qualitative or Quantitative), Research Setting and participants, Methods and Procedure of Data Collection and sampling, Methods and Procedure of Data Analysis, and Ethical Issues/consideration (if needed).

Finally, the conclusion, should merely summarize the points made in the essay, restates the thesis statement in different

words, and clearly state the relevance and implications of the essay's findings. This may need to address opposing viewpoints and explain why readers should align with the authors' position. It may also Call for action, overviews a future research or policy possibilities. This might not be more than two paragraphs.