

Review of: "The Vicious Circle of Climate Challenges with Soil in 5 Continents Caused by Low Cognitive in the Process of Agricultural Revolutions in the World"

Dr. Theodor Friedrich

Potential competing interests: No potential competing interests to declare.

The paper addresses an important issue and contains an important point of view. However, beginning with the word "low cognitive," it uses some terms that do not exist or are at least not common in the English language. Also, the style of the language makes comprehension difficult. I suggest a thorough language review by a mother tongue speaker to improve the style and clarity of the paper. In the following, I have listed some mistakes or completely incomprehensible sentences for review and correction. I have indicated the places by page, paragraph, and line, copying the text part in question with the suggested correction. The indication refers to the first version:

Comments by Page/paragraph/line:

Title and entire manuscript: Replace the term "Low Cognitive" and "Cognitive" with an existing English word, such as "low awareness."

2/2/6: Capitalize "H" for "Human" in "...soil (Lynch, J., 2021). Human influence, on..."

3/1/21: Check sentence: The and Fut-Ure do not make sense in "...important factor influencing land use decisions in. The weather conditions are Fut-Ure (Mu, J.E., et al., 2017). So, the low..."

3/1/31: Add "properties" after "physicochemical": "...growth and development of plants, reduced crop yield due to soil physicochemical, increased erosion and floods directly..."

5/1/4: Delete ; and change capital "The" to "the": "...triangle, it showed that; the average of the actual effectiveness..."

5/1/12: Change to capital in "Meanwhile": "...2 C by the year 2100 (Malhi, G.S., et al., 2021). Meanwhile, we..."

5/1/16: Change capital in "all": "...sustainable. So all of us (all the people and politicians of the world) should..."

6/1/1-2: Check grammar, wording, and meaning in "...soils in the boom of production and consumption, but we have not been able to reconcile the components of the soil and be safe from the indignation of the soil and the climate."

6, fig. 2: The meaning of this figure is not clear. What shall it show? Soil texture is a natural characteristic, changes in soil texture are to a certain degree a result of human actions, but this is not shown in the figure. Delete or replace with a soil degradation figure.

7/2/4-7: Check meaning and English language style and grammar: ...conclusion that, in the first structure, the process of historical operations was very or sometimes gradual but, in the second structure, there is a transformational and sometimes hasty movement. Therefore, researchers, thinkers, and global farmers should use what method of individual and social management in front of these two structures (natural and human) so that the results of more economic decisions.

9/2/3: Soil density did not decrease but increased. Pls. correct:... faced a decrease in organic matter, biodiversity, and density due to mismanagement

12, Table 3: Meaning of the table not clear. Pls. explain better or change titles.

13, Figure 5: Legend missing, not understandable

15/2/11-12: Check meaning, grammar, and spelling of "was": ...the results of the trend of global threats of the present and future evening in Fig. (7-14) was shown.

18/1/1-3: Check meaning and reword, correct parentheses: Natural soils that are used in annual preparation operations by farmers with technical principles, the average soil temperature has a balancing process on the climate and soil due to the increase in organic matter, biological diversity, soil pH adjustment, and other components.) Francaviglia, R., et al., 2023; Sadaty, SA., 2022). What is meant is probably: "In natural soils, the average temperature is balanced in relation to the climate conditions as well as due to high organic matter levels, biological activity, adjusted pH, and other soil parameters; when these soils are mechanically tilled, those characteristics of natural soils disappear (Francaviglia, R., et al., 2023; Sadaty, SA., 2022)."

18/1/4: Change "revolutions" to "green revolution."

23/1/5: Change to capital letter U: ... world. Ultimate sentences...

24: While a list of acronyms is important, each acronym should be explained the first time it appears in the text.

26: References: Appropriate literature on Conservation Agriculture, such as from Kassam and others, should be added to the references and referred to in the text as proof of concept.