

1. Introduction

- ❖ The industrialized food system is not sustainable in any of the economic, social, or environmental aspects.
- ❖ Industrialized agriculture has left many people undernourished worldwide.
- ❖ In the face of climate change and population growth, food has to be produced sustainably using the same resources on planet earth.
- ❖ Given the current and future scenarios, agroecological approach has the potential for sustainable global food security.
- The objective of this poster was to indicate how the agroecological approach can play an essential role in the sustainable global food security.

2. Methodology

- ❖ . Many research works have been conducted and published results comparing the Industrialized agriculture and agroecological approach.
- ❖ This poster was compiled through a secondary source, which is available on the internet, to analyze and discuss the conclusions in the relevant papers.
- ❖ After reviewing relevant papers on the current state of understanding on the Industrialized agriculture and agroecological approach, the findings were summarized in the result sections.

3. Results

Industrial Agriculture vs. Agroecological Approach

A. Industrial Agriculture

- ❖ It has not completely solved the issues of
 - Food shortage/Food insecurity/Malnutrition
 - Diet related diseases
 - Climate change and biodiversity loss
- ❖ It consumes finite resources without replenishing
 - Soil nutrients
 - Fossil fuels
 - Water resources

} GHG emission
- Can it feed the world sustainably? No

B. Agroecological Approach

- ❖ It has a solution to climate change, biodiversity loss, hunger and malnutrition.
- ❖ It optimizes the interaction between environment, plants, animals and humans
- ❖ It applies the ecological concepts in farming
 - Can it feed the world sustainably? YES

4. Conclusion

- The agroecological approach protects our ecosystem by championing biodiversity, environmentally friendly practices and recycling.
- It can transform food systems toward sustainability, ensuring a balance between
 - ✓ Ecological Soundness
 - ✓ Economic Viability
 - ✓ Social Justice
- **Therefore, it can build a better future for all.**

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