

Peer Review

Review of: "Climate and Environmental Changes: Reflections and Prospects for the Future of the Mediterranean Area — Food Security and Climate Change: Agricultural Considerations"

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The preprint by Germana Borsetta titled "Climate and Environmental Changes: Reflections and Prospects for the Future of the Mediterranean Area — Food Security and Climate Change: Agricultural Considerations" examines the significant challenges that climate change, environmental degradation, and population growth pose to food security in the Mediterranean region. It highlights the vulnerability of agri-food systems to these changes and critiques current unsustainable agricultural practices that exacerbate water scarcity and soil degradation. The article presents various case studies exemplifying innovative and sustainable agricultural methods aimed at increasing resilience within the sector. Additionally, it discusses the importance of collaborative strategies among stakeholders to mitigate adverse effects and promote adaptive practices that ensure food security for future generations in the Mediterranean.

The article presents valuable insights into the challenges and strategies regarding Climate-Smart Agriculture (CSA) in the Mediterranean region; however, some potential weaknesses include:

Lack of Quantitative Data: This limits the ability to generalize findings or measure the impact of CSA interventions rigorously.

Limited Scope of Case Studies: While the article discusses various case studies, the selection does not encompass the full diversity of agricultural practices across the Mediterranean.

Generalization of Recommendations: The strategies and recommendations lack specific guidelines or frameworks for implementation.

Underestimation of Barriers: The article mentions barriers to adopting sustainable practices but does not thoroughly explore the complexities of these challenges.

Limited Stakeholder Perspective: This could impact the effectiveness of the proposed CSA strategies.

Focus on Agricultural Aspects: The primary emphasis on agricultural practices may overlook other critical components such as social, economic, and political dimensions that influence food security and climate resilience in the Mediterranean.

These weaknesses highlight areas for potential improvement in future research or discussions surrounding CSA and climate change adaptation in the Mediterranean region.

Declarations

Potential competing interests: No potential competing interests to declare.