

REVIEWER'S REPORT

Manuscript No.: JNAVES-027

Title: Integrated Pest Management (IPM): Sustainable Strategies for Crop Protection and Environmental Conservation.

Recommendation:

Accept as it is

Accept after minor revision.....

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality		✓		
Techn. Quality		✓		
Clarity	✓			
Significance	✓			

Reviewer Id: JPR-194

Reviewer's Comment for Publication.

The manuscript presents a comprehensive and relevant review of Integrated Pest Management (IPM) as a sustainable approach for crop protection and environmental conservation. The topic is highly significant due to increasing concerns regarding pesticide resistance, environmental pollution, biodiversity loss, and the need for sustainable agricultural practices. The manuscript is well organized and provides a clear overview of IPM principles, pest management components, biological control methods, cultural and mechanical practices, pesticide management, technological innovations, and future perspectives. The discussion effectively highlights the importance of IPM in promoting sustainable crop production, food security, and ecological balance.

A few minor revisions are recommended to further improve the manuscript. The authors should incorporate more recent research findings and updated examples of IPM implementation in different cropping systems and geographical regions. The section on technological advancements could be strengthened by including recent developments in artificial intelligence, digital pest monitoring, and precision agriculture-based IPM approaches. Additionally, a more detailed discussion on the economic feasibility and adoption challenges faced by smallholder farmers would improve the practical relevance of the review. The references should be carefully checked for completeness, recent updates, and consistency with the journal's required formatting style. Minor language editing and proofreading are also recommended to enhance clarity and overall presentation.

Overall, the manuscript provides valuable insights into sustainable pest management and environmental conservation. Subject to the incorporation of the suggested minor revisions, the manuscript is recommended for publication.