

Review Form 3

Journal Name:	Journal of Advances in Biology & Biotechnology
Manuscript Number:	Ms_JABB_126256
Title of the Manuscript:	Agroforestry: An effective technique for carbon sequestration and achieving net zero carbon neutrality
Type of the Article	Review Article

Review Form 3

PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback (Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.	Agroforestry is an important system that integrate of trees and shrubs into crop and animal production systems, deployed to enhance productivity, profitability. This assessment provides a science-based synthesis on the use of agroforestry in reducing GHG emissions.	
Is the title of the article suitable? (If not please suggest an alternative title)	Agroforestry: An effective technique for carbon sequestration and achieving net zero carbon neutrality conserving biological diversity and improving communities' livelihood	
Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.	The two definitions for agroforestry should come first. Why not mention anything about REDD negotiations on a second commitment period for the Kyoto Protocol. REDD offset credits on compliance carbon markets. Why not mentioning agriculture chemical fertilizers as N ₂ oxide also responsible for GHG emission beside anthropogenic effect and desertification	
Are subsections and structure of the manuscript appropriate?	Yes	
Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.	Two subtitles 2 & 3 could be integrated with the introduction. The methodology should be more detailed to explain that the authors are comparing above and below carbon sequestration from agroforestry systems. For underground sequestration only one example was used. A table was provided for above ground carbon sequestration, not fully interpreted	
Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form. -	References were adequate not fully utilized	
Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Good	
Optional/General comments	The role of animal in carbon sequestration by integrating them to agroforestry system was not mentioned. The exotic vs native breeds effects not well explained. The conclusion did not mention which system resulted in optimum crop yields. Some systems are best for pest control and should be encouraged . Monocropping should be managed. More recommendations were expected	

PART 2:

	Reviewer's comment	Author's comment (if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)
Are there ethical issues in this manuscript?	<u>(If yes, Kindly please write down the ethical issues here in details)</u>	

Review Form 3

Reviewer Details:

Name:	Muna Mahjoub Mohamed
Department, University & Country	Institute of Environmental Studies, University of Khartoum, Sudan