



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_36730
Title of the Manuscript:	Forage palm in climate change scenarios and its potential for wastewater bioremediation: A systematic review and meta-analysis
Type of the Article	

General guideline for Peer Review process:

This journal's peer review policy states that **NO** manuscript should be rejected only on the basis of '**lack of Novelty**', provided the manuscript is scientifically robust and technically sound. To know the complete guideline for Peer Review process, reviewers are requested to visit this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

PART 1: Review Comments

	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)
Compulsory REVISION comments	The issue in question is of great importance, as several regions suffer from water contamination. The use of plant species for bioremediation is an economical and renewable alternative. The proposal of this paper to present <i>Opuntia ficus-indica</i> for bioremediation is very interesting, including the fact that in some regions, such as the Brazilian semi-arid, the species in question constitutes one of the few species adapted to the crop. However, I believe that the text can be improved. I believe it is necessary to present real (numerical) data on the extent of the problem of water contamination as well as on existing alternatives to solve the problem and finally "present" species of <i>O. ficus-indica</i> an alternative. I have lacked a greater discussion of the anatomy and physiology of the species in question to better explain their use for bioremediation, as well as to cite case examples, such as discussing the conclusions of the articles mentioned in the review.	In the introduction were inserted information pertinent to the problems caused by water pollution and alternative treatment strategies to the use of <i>Opuntia ficus-indica</i>. In the Results and Discussion was added a figure showing the mucilage micrograph of <i>Opuntia ficus-indica</i>, showing isolated compounds acting in the bioremediation of water contaminants. In the Results and Discussion cases were obtained in the conclusions of the articles cited in the review.
Minor REVISION comments	- Place the scientific name in the title and the botanical family to which the species under study belongs → <i>Opuntia ficus-indica</i> (L.) Mill. (Cactaceae); - Remove the scientific name of the keywords (leave in the title); - Check the correct spelling of the scientific name of the species. Note that there is a hyphen between the words "ficus" and "indica".	The scientific name, botanical family and sort were inserted in the title and removed from the keywords. The name of the species was corrected throughout the manuscript, adopting the hyphen between the <i>ficus</i> and <i>indica</i> words.
Optional/General comments	I have missed photos of the species, if possible some that show their use in bioremediation.	In the Results and Discussion was added a figure showing the mucilage micrograph of <i>Opuntia ficus-indica</i> , showing isolated compounds acting in the bioremediation of water contaminants.