



SDI Review Form 1.6

Journal Name:	Journal of Experimental Agriculture International
Manuscript Number:	Ms_JEAI_42487
Title of the Manuscript:	Cytogenetic activity of root meristems of rice in response to conditioning in carrot extract and salinity
Type of the Article	Original Research 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 manuscript is about Cytogenetic activity of root meristems of rice in response to conditioning in carrot extract and salinity submitted to the Journal of Experimental Agriculture International. The overall paper is defensible and the writing is clear. But, the manuscript lacks a testable hypothesis. Please explain how this study advances our knowledge in this domain and call attention to the importance of your work and highlight your contribution in this field.	Studies have shown that salinity affects the germination and development of rice, in this sense our studies demonstrate that the imbibition of rice seeds in carrot extract promotes an increase in the percentage of germination and also minimizes the effects of salinity (data still not published). Aiming to understand the possible mechanisms of salinity tolerance in response to carrot extract, one hypothesis is that there is a change in the cell division cycle, increasing the percentage of cells in mitosis, which was proven with the study. Here in Brazil, pre-germinated rice is sown in many areas, and soaking in carrot extract appears as an alternative to sowing in areas with salinity problems.
Minor REVISION comments		
Optional/General comments		