



SDI Review Form 1.6

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2014_AJEA_15110
Title of the Manuscript:	Mechanism of nanosilicon-mediated alleviation of salinity stress in faba bean (<i>Vicia faba</i> L.) plants
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>)



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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)
<u>Compulsory</u> REVISION comments		
<u>Minor</u> REVISION comments	Good English writing but the following issues should be clarify: Si₂SO₃ seems strange compound to me (CaSiO₃ and Na₂SiO₃ commonly known) and there are no details of nanosilicon (form, content, company,...?) How to convert silicon concentration from nanoform to mM? How much silicon were received by a single plant? Too many data tables and their formats are not attractive to readers. No significant levels were shown in figure explanation It should be better if correlation lines are built among EL, LP, and MSI (than average values in table) Figures' resolution should be improved Among 7 silicon levels, Duncan multiple range test should be used (not LSD)	Si₂SO₃ was misprinted the material was sodium silicate (Na₂SiO₃). Convert Si and NSi to mM is shown in the text. Plant was sprayed until complete cover (100 ml). It is necessary in my institution to show data in details. The relation between these parameters is shown in the discussion. Figures are repeated to improve resolution. Because differences between means are clear, I think LSD test leads to achieve the purpose
<u>Optional/General</u> comments	the findings are not new but adequate data for an article but presentation should be improved	Nano particles should be considered in agricultural practices as new application.