



SDI Review Form 1.6

PART 1:

Journal Name:	American Journal of Experimental Agriculture
Manuscript Number:	2013_AJEA_5122
Title of the Manuscript:	Roots of hydroponically grown tea (Camellia sinensis) plants as a source of a unique amino acid, theanine
Type of the Article	Others

General guideline for Peer Review process is available in this link:

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

- This form has total 7 parts. Kindly note that you should use all the parts of this review form.

PART 2: 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	In case of Table 1, the author should determine theanine concentration at least three times, and the data should be expressed as average $\pm$ SD. It is better to determine theanine concentration in the tea leaves cultured by hydroponics, not only roots, in this experiment.	The individual specificity is too large when measuring three or more roots of plants. Thus, in Table 1, we showed the range of the quantity of theanine, which was detected from roots of more than three plants. The amount of theanine in the leaf by hydroponics was added to Table 1 as the reviewer recommends.
Minor REVISION comments	In the introduction part, the author showed theanine has not been found in any other plant and has only been found in one inedible mushroom. Some new published papers have reported theanine was existed in some other plant species. I hope the author read some new references and re-organised this part.	The reference [2] was added and the introduction was modified. Any other academic information was could not be found at present.
Optional/General comments	It is a meaningful work to find a method to increase the concentration of theanine in tea roots by hydroponic method. It is better to discuss the theanine transportation if the authors showed the theanine concentrations in roots and leaves.	The theanine biosynthesis is mentioned in the introduction, citing ref. 8, however the theanine transportation is still unclear .