



SDI Review Form 1.6

Journal Name:	American Chemical Science Journal
Manuscript Number:	2015_ACSj_16508
Title of the Manuscript:	Ultrasonic degradation of polyvinyl pyrrolidone (PVP): effect of power of ultrasound, Temperature and Concentration
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 <i>(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)</i>
<u>Compulsory</u> REVISION comments	Abstract Line 7, line 6 say...was changed in the range of...change by... was of Line 22 What they meant the authors with the following?"This work has been summarized in a review paper" Line 72 Polyvinyl pyrrolidone (PVP) with weight-average molecular weight 1300000 kDa was purchased from Across Co. Ltd. Molecular weight was 756000 kDa, which was determined by viscometer. The supplier say that PVP has 1, 300,000 and reality the PVP has 756000 kDa? Line 102 Review and Separate equations 1 and 2. Line 173 Figure No.1 what happened with the concentrations 35, 40 and 45g/L? Line 184 Where is the equation No. 20? Line 191 Figure No. 2 axis y is V or R Line 192, The logarithm is Ln or log??	Editted No, these subjects are collected from different works that was referenced. Yes, Mw=1300000 kDa and viscosity average molecular weight is Mv=756000kDa (modified) Corrected The data of these three concentrations overlapping bye the data resulted from concentration of 30g/L. Therefore, the results of these temperatures were not reported. Corrected to Eq.14 V is correct (abbreviation of Velocity) Log is correct and modified.



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	Delete lines 270 a 273 the information is repeated in the figure No. 6. Delete lines 290 a 293 the information is repeated in the figure No. 8. Line 294 delete our Review the article Ultrasonics Sonochemistry 21 (2014) 1108–1116 This manuscript is similar to: Effect of molecular weight on the ultrasonic degradation of poly(vinyl-pyrrolidone), M.T. Taghizadeh, T. Asadpour Ultrasonics Sonochemistry Volume 16, Issue 2, February 2009, Pages 280–286 Author information¹Department of Physical Chemistry, Faculty of Chemistry, University of Tabriz, 29, Bahman Bulvard, Tabriz 51667, Iran. mttaghizadeh@tabrizu.ac.ir Ethical issues-: If there are any ethical issue please clarify.	Removed Removed Removed The main purpose of this work is the study of effect of power, temperature and concentration on the ultrasonic degradation of PVP. But the cited paper is a major investigation on the effect of molecular weight on the ultrasonic degradation of PVP. The comparison of these two work could be assist the researcher to has a vast insight about the different parameters that affected the ultrasonic degradation of PVP.
<u>Minor</u> REVISION comments		
<u>Optional/General</u> comments	Authors must provide an exhaustive review the document and include what is missing.	