

## Review Form 1.6

Journal Name:	<a href="#">Asian Journal of Chemical Sciences</a>
Manuscript Number:	Ms_AJOCS_84802
Title of the Manuscript:	CONTROLLED CATALYTIC REDUCTION IN SYNTHESISING PURE TETRAHYDROCURCUMIN
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:

(<https://www.journalajocs.com/index.php/AJOCS/editorial-policy>)

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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)
<b>Compulsory</b> REVISION comments	<p>1. The abstract should highlight the objective of the paper, besides the main interpretation and results.</p> <p>It is stated in the Experimental Section of FTIR and H NMR measurement, but we did not see it in the abstract of the manuscript.</p> <p>2. The FTIR and HPLC diagram and pattern of pure tetrahydrocurcumin should be given before and after controlled catalytic reduction.</p> <p>3. The XRD pattern should be added before and after controlled catalytic reduction in pure tetrahydrocurcumin synthesis.</p> <p>The authors should include the pattern of each one in one unique figure to be possible to make an easy comparison (shows the Miller index for different peaks).</p> <p>If instrumental expansion has been reduced to correctly interpret and how to do so, authors should provide information.</p>	
<b>Minor</b> REVISION comments	<p>1. Please do a GC-MS analysis, the mass spectra and m/z should be given as intermediates and final products. I suggest read the following work carefully enhance discussion in the GC-MS analysis.</p> <p>* Sep. Purif. Technol. 235 (2020) 116228.</p> <p>5 Please, add similar works in the literature.</p>	
<b>Optional/General</b> comments		

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PART 2:

	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)
Are there ethical issues in this manuscript?	(If yes, Kindly please write down the ethical issues here in details)	

Reviewer Details:

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