

Review Form 1.6

Journal Name:	Asian Journal of Chemical Sciences
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:

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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)
Compulsory REVISION comments	<ol style="list-style-type: none">1. The abstract should highlight the objective of the paper, besides the main interpretation and results. 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.2. The FTIR and HPLC diagram and pattern of pure tetrahydrocurcumin should be given before and after controlled catalytic reduction.3. The XRD pattern should be added before and after controlled catalytic reduction in pure tetrahydrocurcumin synthesis. 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). If instrumental expansion has been reduced to correctly interpret and how to do so, authors should provide information.	<ol style="list-style-type: none">1. As per reviewer suggestion introduced FTIR and H NMR in abstract2. As per reviewer given IR for after reduction in experimental section.3. During the preparation of tetrahydrocurcumin XRD studies were not performed to check the XRD pattern of Tetrahydrocurcumin. Hence we don't have the XRD spectrogram for Tetrahydrocurcumiin. .
Minor REVISION comments	<ol style="list-style-type: none">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. * Sep. Purif. Technol. 235 (2020) 116228.5 Please, add similar works in the literature.	<ol style="list-style-type: none">1. Already i submitted mass spectra for tetrahydrocurcumin. Tetrahydrocurcumin is solid and hence we are done in regular mass.
Optional/General 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?	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	