

Review Form 3

Journal Name:	Chemical Science International Journal
Manuscript Number:	Ms_CSIJ_123518
Title of the Manuscript:	Performance Assessment of Biomass-derived Urea-Furfuraldehyde Resins as Oilfield Scale Inhibitors
Type of the Article	Original Research Article

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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 guidelines for the Peer Review process, reviewers are requested to visit this link:

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PART 1: Review Comments

Compulsory REVISION comments	Reviewer's comment	Author's Feedback <i>(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)</i>
<p>Please write a few sentences regarding the importance of this manuscript for the scientific community. Why do you like (or dislike) this manuscript? A minimum of 3-4 sentences may be required for this part.</p>	<p>1- this work explores the possibilities of bio-based resins generated from urea-furfuraldehyde as oilfield scale inhibitors 2- It is novel in approach 3- 4- help the oil and gas sector by creating scale inhibitors 5- lowering their environmental impact</p>	
<p>Is the title of the article suitable? (If not please suggest an alternative title)</p>	<p>Yes</p>	
<p>Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here.</p>	<p>Yes</p>	
<p>Are subsections and structure of the manuscript appropriate?</p>	<p>Yes</p>	
<p>Please write a few sentences regarding the scientific correctness of this manuscript. Why do you think that this manuscript is scientifically robust and technically sound? A minimum of 3-4 sentences may be required for this part.</p>	<p>I thoroughly examined this paper multiple times and found the subject matter to be quite intriguing and relevant. Moreover, I discovered that this paper has exceptional writing and organization while exploring a highly intriguing methodology anthe researcher using recent references</p>	
<p>Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.</p>	<p>I suggest only adding ref for equation 1</p>	

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Minor REVISION comments		
Is the language/English quality of the article suitable for scholarly communications?	Yes	
Optional/General comments	<p>1- Page 7 / section "2.2.5 Characterization of ROF and ROFU" please check the sentences using an Agilent spectrophotometer scanning in the 4000 – 650cm⁻¹ range to detect the presence of functional groups" Please write Fourier-transform infrared spectroscopy (FTIR)</p> <p>2- Please replace the word "Plate" using the word "Figure "</p> <p>3- Please added a reference for Equation 1</p> <p>Page 24 / section " 3.5.3 Concentration effect" please check the sentences "ROFU attained optimal inhibition of 69.45% and 55.05 % at 71 °C, 64.30% and 55.85% at 90 °C, and lower concentrations of 40 ppm and 60 ppm, while for ROF, optimal inhibition of 69.15% and 52.86% at 71 °C and 100 ppm, 68.69% and 58.82% at 90 °C, and concentrations of 80 ppm and 100 ppm for CaSO₄ and CaCO₃ scales for 22 hours, respectively". And</p> <p>a- Add the name and concentration of the inhibitor for results</p> <p>b- Add effect of CSI to these results</p>	

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>	

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