

Author's Feedback against Editorial Comment:

In Table 2, the coded values are -1.682 and 1.682, but in Table 1 the lowest and highest coded values was -1 and 1.

Response: Thank you, it is noted.

-1.682 and 1.682 are the alpha values

Table 1 has now been corrected to reflect the alpha values

In another case, I think when the authors correct the mistake and I make a accept decision.

However, we usually use RSM to find out the optimization of one solvent and usually do not use different solvent as a factor.

Response: Thank you for the comment which is well-appreciated.

The comment raised here has actually been taken care of by the Design Expert version 6.0.8.(Stat-Ease Inc, Minneapolis, U.S.A.) tool that was used in the experimental design. The three factors A (Time),B(Temperature),C(Solid/solvent ratio)were entered into the tool as “**numerical factors**” while the solvent type was entered as a “ **categorical factor** ”.Hence 20+20=40 experimental runs were generated; 20 runs generated from the three factors for each of the two solvent types.

Moreover, in the results, Figs 3-6 separately show 3D response surface plots for each of the solvents, while only Fig 2 shows the interaction of the two solvents with time,temperature and oil yield (response).

Therefore, I suggest the author should run the RSM by the separate solvent (which means only three factors each solvent), then to compare the different of optimization of this two solvent if the author want.

Thank you.The approach was adopted for the purpose of ease of analysis by using Design Expert tool to also compare the solvents' effect on the oil yield. To do this, the solvent type would have to be entered as categorical factors from the start of the experimental design.

This work actually indicates that the Design Expert tool is suitable for this type of analysis.

Meanwhile, in Table 3, the B*B was missing which means the degree of freedom of Model should be 12 not 11?In this case, the author should rewrite.

Response:

Thank you.

B*B was excluded from the model being an insignificant term indicated by Design Expert 6.0.8 statistical analysis

We have tried to include the corrections as much as we can. We hope it has been to your satisfaction sir