



SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	MS: 2013_IRJPAC_3555
Title of the Manuscript:	Adsorption Characteristics of Sodium oleate onto Calcite.

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
The revised paper does not present the improvements suggested. Some key aspects that were not understood: - The pH values of experiments in the figure 1, 2 and 4 are not reported. This is very important to the discussion of adsorption mechanism. - In the figure 2, why the results of 80 minutes don't appear? - There are some misunderstandings about adsorption mechanism: physisorption <i>versus</i> chemisorption. The authors should review these concepts. - There is no information on the methodology about viscosity measurements.	- The pH values for the experiments in Figs 1, 2 and 4 have been included in the text. - In Fig.2 the results of 80 minutes does not appear because from Lagergren equation, the difference between amount of oleate q_e, adsorbed at equilibrium and the amount of oleate, q adsorbed at 80 min. is zero. Therefore a plot of $\log (q_e - q)$ versus t should yield a straight line for 20, 40 and 60 mins. - In the experiments carried out chemisorption predominate and desorption takes place after 80 mins. - The viscosity measurement has been highlighted in yellow in the text.