



SDI Review Form 1.6

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.

General guideline for Peer Review process is available in this link:

(<http://www.sciencedomain.org/page.php?id=sdi-general-editorial-policy#Peer-Review-Guideline>)

- This form has total 9 parts. Kindly note that you should use all the parts of this review form.



SDI Review Form 1.6

PART 2: Review Comments

	Reviewer's comment	Author's comment <i>(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)</i>
<u>Compulsory</u> REVISION comments	Introduction: It is necessary to make clear the importance of the present study. An introductive sentence in the last paragraph (line 55) indicating the necessity of adsorption of fatty acids on the surface of minerals is suggested, instead of referring to such a necessity at the end of the paragraph (line 68). Experimental: In line 84 there is no clear reference to the different concentrations of oleic acid – Na-oleate applied, whereas in the Results and Discussion and in the figures there is a reference. The concentrations applied should be referred to in the Experimental part. Results and Discussion: In lines 220-229 there is a reference to critical micelle concentration. It is mentioned that at pH=4 and pH=6 micelle formation is observed at Na-oleate concentration $9.0 \times 10^{-3} \text{M}$. So, is this the CMC? How is this value determined? Is that deriving from bibliographic or experimental data? It should be referred to clearly. If it is an experimental data, a clearer reference to the method of its measurement is necessary. Also, in lines 261-278 there is a reference to CMC. How have you come to the conclusion that the CMC is pH dependent? Is that a bibliographic or experimental data? A clearer explanation of the equations is also suggested.	



SDI Review Form 1.6

Minor REVISION comments	Abstract: An introductive sentence indicating the necessity of Na-oleate adsorption on the surface of calcite is suggested.	
Optional/General comments		

Note: Anonymous Reviewer