

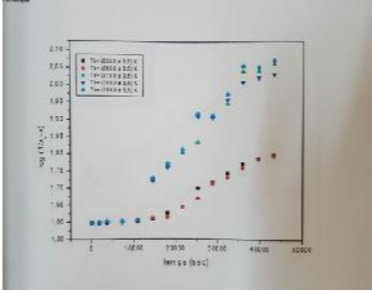


SDI FINAL EVALUATION FORM 1.1

PART 1:

Journal Name:	International Research Journal of Pure and Applied Chemistry
Manuscript Number:	Ms_IRJPAC_47651
Title of the Manuscript:	DEMOCRATIC REPUBLICA OF CONGO MORINGA SEEDS OIL EXTRACTION, POTENTIAL MIGHTY ANTIPOISON
Type of Article:	Research paper

PART 2:

FINAL EVALUATOR'S comments on revised paper (if any)	Authors' response to final evaluator's comments
<p>In spite of this work was carried out as an important part in the development of a project related to public health, it should not be overlooked that this is a technical work related to the extraction, modeling and quantification of moringa and gourd seed oil. Therefore, it is important to pay attention not to mix the things that should be discussed and concluded at work.</p> <p>Although the manuscript has been improved a lot I still find it with the following fundamental flaws that prevent me from recommending its publication (see more details in the attached manuscript):</p> <p>It should be clarified what type of specific structure should be considered in the prediction of the proposed sigmoidal curves</p> <p>It has not been proven that moringa and gourd oils can be associated with mesomorphic and amorphous phases, respectively.</p>	<p>Thank you very much for the interest. Here are our responses.</p> <p>About:</p> <ul style="list-style-type: none">- the word « particularly » In our laboratory, the heart acting is abundantly studied, not the entire body. Among the noble organs, the heart is particular for us because it is a distributor of life liquid (blood), a pump failing which human life stops. I think it is at good place and conveys really our meaning, but it has been cancelled in the abstract but maintain in the suggestions (conclusion).- Prediction of sigmoidal curve We have been studying many systems (many plants); We do not know should the linearity will be always respected, that means the limits of applicability of KUNYIMA method is not yet determined. We just have fortunately on table results of Arachis hypogaea L. oil extraction for next publication where sigmoidal pace is observed. We think we forethought well and now the explanation should be precisely found among plausible reasons cited (see figure).  <ul style="list-style-type: none">- Mesomorph and amorphous structures Gourds seeds and Moringa seeds are soft solids in comparison with crystalline structure. The extreme limits are crystalline solids and amorphous solids. Among the soft solids one has mesomorph solids and amorphous solids. In the case under study both of them give oils. The difference in kinetic constants (k) determined suggests likely the difference in the structure of seeds investigated (contents and containers). The existing solids are comprised between these two extremes.- The structure of solvent It means chemical structure which inducts the solvent properties as cited in lines 97-100 in your second manuscript.- Structure of the extracted material (oil) That means chemical structure of each compound present in oil and the effect of their vicinity, that means the effect of their interaction. This vision has been replaced in the text by the word “texture”.