



SDI Review Form 1.6

Journal Name:	<a href="#">Advances in Research</a>
Manuscript Number:	Ms_AIR_55835
Title of the Manuscript:	Biogeochemical Analyses of Four Crude Oil Samples to Confirm the Presence of Terrestrial-Organic Matter, Collected From the Murzuq Basin- Libya.
Type of the Article	

**General guideline for Peer Review process:**

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

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



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**PART 1: Review Comments**

	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)
<b>Compulsory</b> REVISION comments		
<b>Minor</b> REVISION comments	<p>In this paper, through geochemical analysis of the crude oil in the study area, the source of their sediments is determined. I suggest that it can be published in this journal after minor revision. I have the following opinions or suggestions:</p> <p>a. Figure 1: please change the size of the text in the right column of Figure 1. Please enlarge it to make it easier for readers to see.</p> <p>b. To some extent, the chemical composition of crude oil is closely related to the distribution of minerals, elements and reservoir space, so the authors should add an introduction to this aspect in the introduction. Please find and quote the research of these four papers in this paper, which may give you some inspiration. The doi numbers of the four papers are "10.1016/j.petroleum.2020.107176", "10.1016/j.energy.2019.116443", "10.1016/j.marpetgeo.2019.07.006 and 10.1016/j.fuel.2019.05.031".</p> <p>c. Table 1: should international units be used for viscosity?</p> <p>d. In order to show a complete geochemical test process, we should add the photos of test instruments and samples.</p> <p>e. In the conclusion, please explain in one sentence how you distinguish different sources of sediment.</p> <p>f. In addition, the limitations of geochemical methods to determine the source of crude oil and the future development direction should be clarified in the conclusion</p> <p>After the above modifications, I suggest that it can be published.</p>	
<b>Optional/General</b> comments		

**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>	

**Reviewer Details:**

Name:	<b>S.H. Du</b>
Department, University & Country	<b>Chinese Academy of Sciences, China</b>