

## Review Form 1.6

Journal Name:	<a href="#">Asian Journal of Geological Research</a>
Manuscript Number:	Ms_AJOGER_89049
Title of the Manuscript:	LITHOFACIES ANALYSIS AND PALEOENVIRONMENT OF DEPOSITION OF LOKOJA FORMATION, SOUTHERN BIDA BASIN, NORTH CENTRAL, NIGERIA
Type of the Article	Original Research 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:

(<https://journalajoger.com/index.php/AJOGER/editorial-policy>)

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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	The paper is good, but corrections are needed.	The paper is good, but but corrections are needed	
<b>Minor</b> REVISION comments	All suggested fixes are in the review article: - adjust the figures - update references in the intro	All suggested fixes are in the review article: - adjust the figures - update references in the intro  Standardize the size of the letters in the abstract remove repeated information from lines 8, 9 and 10 of the abstract, keep only one piece of information Standardize the size of figures (keep one size for all figures) Redo figures from 4A and 4B, 6B, 7A and 7B Remove the title of graphs made in excel, standardize letters, color and size of graphs	
<b>Optional/General</b> comments		Follow some current references:  <a href="#">Petrography and Heavy Mineral Studies of Lokoja Formation along Mount Patti North Central Nigeria: Implication for provenance Studies</a> <a href="#">BA Mu'awiya, SD Christopher, CA Nanfa... - European Journal of ..., 2022 - ej-geo.org</a> ... The <b>Bida Basin</b> , known also as the Nupe <b>Basin</b> or Midniger <b>basin</b> , is located in the West-central part of Nigeria. The <b>Bida basin</b> is a NW-SE stretching <b>intracratonic basin structure</b> ... <a href="#">Salvar Citar Artigos relacionados Todas as 4 versões [HTML] sciencedirect.com</a> <a href="#">[HTML] Mineralogy and geochemistry of the sandstone facies of Campanian Lokoja formation in the Southern Bida basin, Nigeria: implications for provenance and ...</a> <a href="#">OJ Ojo, SA Adepoju, A Awe, MO Adeoye - Heliyon, 2021 - Elsevier</a> ... The upper Cretaceous <b>Lokoja Formation</b> is the earliest deposited stratigraphic unit in the <b>intracratonic Bida Basin</b> , Nigeria. It consists predominantly of sandstone and offers a potential ... <a href="#">Salvar Citar Artigos relacionados Todas as 7 versões [PDF] iljs.org.ng</a> <a href="#">Sedimentology and Depositional Environment of part of Lokoja Formation Exposed at Felele Junction, Southern Bida Basin</a> <a href="#">OA Adekeye, OO Oloyede - Ilorin Journal of Science, 2018 - iljs.org.ng</a> ... a northwest-southeast trending <b>intracratonic structural</b> depression adjacent and contiguous ... potential of the <b>Lokoja formation</b> in the Southern <b>Bida Basin</b> . Journal of Mining <b>Geology</b> . 28, ... <a href="#">Salvar Citar Artigos relacionados [PDF] researchgate.net</a> <a href="#">[PDF] ... DATA FOR DELINEATING RIVER ANTICLINE STRUCTURE AROUND THE RIVER NIGER AREA</a>	

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		<p><a href="#">IN KOTON-KARFI, SOUTHERN BIDA BASIN, NIGERIA.</a> <a href="#">VU Nwofor, CU Ugwueze, IO Njoku...</a> - Pacific International ..., 2020 - researchgate.net ... <b>Bida basin</b> is a NW-SE trending <b>intracratonic structure</b> extending from kontogora in Niger State to Kogi State – slightly beyond <b>Lokoja</b>... of the basal Campanian <b>Lokoja Formation</b>, followed ... <a href="#">Salvar Citar Artigos relacionados</a> <a href="#">Geological Synthesis and Analysis of Potential Petroleum Systems</a> <a href="#">N Obaje, A Bomai, M Dabai, T Ozoji...</a> - First EAGE Workshop on ..., 2020 - earthdoc.org ... The <b>Bida Basin</b> is a NW-SE trending <b>intracratonic structure</b> extending from Kontagora in Niger State in the north to the area slightly beyond <b>Lokoja</b> in the south. It is delimited in the NE ... <a href="#">Salvar Citar Artigos relacionados Todas as 2 versões</a> <a href="#">[HTML] sciencedirect.com</a> <a href="#">[HTML] A revised stratigraphy of the Bida Basin, Nigeria</a> <a href="#">MAO Rahaman, SL Fadiya, SA Adekola...</a> - Journal of African Earth ..., 2019 - Elsevier ... The <b>Bida Basin</b> is a NW-SE trending <b>intracratonic basin</b> that ... in the sections of the <b>Lokoja</b> and <b>Bida</b> Sandstones that we ... (formerly Patti) <b>Formation</b> on top of the <b>Lokoja</b> Sandstone has ... <a href="#">Salvar Citar Citado por 19 Artigos relacionados Todas as 3 versões</a> <a href="#">[PDF] academia.edu</a> <a href="#">[PDF] Petrography and paleo-depositional environment of the campanian-maastrichtian patti formation exposed at AHOKO North Central Nigeria</a> <a href="#">AO Alabere, OK Akangbe, SO Akande</a> - IOSR J Appl Geol Geophys, 2020 - academia.edu ... The <b>Bida Basin</b> is one of the seven sedimentary <b>basins</b> in Nigeria and it is ... <b>intracratonic structure</b> extending from Kontagora in Niger State in the North to the area slightly beyond <b>Lokoja</b> ... <a href="#">Salvar Citar Citado por 2 Artigos relacionados Todas as 2 versões</a> <a href="#">[HTML] springer.com</a> <a href="#">[HTML] Organic geochemical and palynological studies of the Maastrichtian source rock intervals in Bida Basin, Nigeria: implications for hydrocarbon prospectivity</a> <a href="#">OJ Ojo, AY Jimoh, JC Umelo, SO Akande</a> - Journal of Petroleum ..., 2020 - Springer ... of Patti <b>Formation</b> in the inland <b>Bida Basin</b> of Nigeria (Fig. 1). ... It is a northwest–southeast trending <b>intracratonic structural</b> ... units (<b>Lokoja</b>, Patti and Agbaja Formations) in the southern <b>Bida</b> ... <a href="#">Salvar Citar Citado por 2 Artigos relacionados Todas as 5 versões</a> <a href="#">[PDF] researchgate.net</a> <a href="#">[PDF] Mineralogical studies of the Maastrichtian Gerinya Claystone of the Patti Formation, southern Bida Basin, Nigeria: Implication for industrial application</a> <a href="#">OP Oyetade, CI Konwea, OJ Ojo, TM Odesanmi</a> - Mineralogia, 2021 - researchgate.net</p>	
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		<p>... soft-sediment deformation <b>structures</b> has been documented.          ... <b>Bida Basin</b> extends from Kontagora to <b>Lokoja</b> in Nigeria, as northwest-southeast trending <b>intracratonic</b> sedimentary <b>basin</b> ...  <a href="#">Salvar Citar Artigos relacionados Todas as 8 versões</a>  <a href="#">[PDF] futminna.edu.ng</a>  <a href="#">Structural Analysis and Interpretation of High Resolution Aeromagnetic data over the Southern <b>Bida basin</b>, North Central, Nigeria</a>  <a href="#">Ol Okwokwo, AA Adetona, T Adewumi, M Umar - 2020 - repository.futminna.edu.ng</a>          ... <b>intracratonic</b> sedimentary <b>basin</b> extending from Kontagora in Niger State of Nigeria to areas slightly beyond <b>Lokoja</b> in ... sandstone) and the youngest Agbaja <b>Formation</b> (Ironstone). Their ...  <a href="#">Salvar Citar Artigos relacionados</a></p>	
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**PART 2:**

	<u>Reviewer's comment</u>	<u>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)</u>
<u>Are there ethical issues in this manuscript?</u>	<i>(If yes, Kindly please write down the ethical issues here in details)</i>	

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