

Review Form 1.6

Journal Name:	Journal of Materials Science Research and Reviews
Manuscript Number:	Ms_JMSRR_76526
Title of the Manuscript:	Characterization of Graphite Mineral of Ningi in North-Eastern 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:

<http://peerreviewcentral.com/page/manuscript-withdrawal-policy>

Review Form 1.6

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)
Compulsory REVISION comments	<p>-Figure 2 needs to be improved (use Origin or any other software to present the results properly).</p> <p>-The authors need to compare the results with previous analysis in the area (not limited to them: *Crystals 11(2) (2021) 88, pp. 1-24 (https://www.mdpi.com/2073-4352/11/2/88) *Minerals 10 (2020) 986 (https://www.mdpi.com/2075-163X/10/11/986) *Catalysis Today 357 (2020) 74–83 https://www.sciencedirect.com/science/article/pii/S0920586118313270?via%3Dihub)</p> <p>-Also, the introduction section needs more references of graphite and related materials as well different projects in the area.</p> <p>-Is it possible to increase the C content by graphitization of the samples?</p> <p>-Figure 3: Did the author found any other crystalline phases considering the high amount of SiO₂ (graphite, quartz, coesite, mullite, etc.)? If the authors acquired different XRD profiles, they will need to show them.</p>	
Minor REVISION comments	<p>- Correct: Graphite are (is) principally formed... (introduction section)</p>	
Optional/General comments	<p>This research work describes the “chemical” characterization of graphite mineral from Nigeria.</p> <p>Overall, this is an interesting, well organized, and valuable paper for the potential uses of graphite in the region.</p> <p>However, the authors did not compare the quality/composition with other reports of similar materials in order to expand the knowledge of the present work.</p>	

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:	Juan Manuel Lázaro-Martínez
Department, University & Country	Universidad De Buenos Aires & Conicet, Argentina