#  COVER LETTER

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**Novelty and Importance of the Findings**

Nigeria is endowed with various mineral resources which when properly harnessed can lead to its industrial development, thereby creating wealth for the nation. The nature and mode of occurrence of most of these mineralization are unknown as illegal miners and artesian continuously exploits these areas. Thus, the need arises for a research to be carried out to delineate the subsurface structure. Aeromagnetic data was interpreted to delineating the subsurface structures in the study area for proper exploration of mineral.

 **Declaration**

I Egbelehulu Priscillia, declares the originality of this research work. This work has not been submitted for publication in any journal prior to this journal.

**Conflict of Interest**

There is no conflict of interest in this research work.

**Consent**

Consent was obtained from all the participants of this research work to publish it.

**Contributorship**

Egbelehulu Priscillia - Writing, original draft, conceptualization, investigation, funding and resources.

Abu Mallam – Supervision

Abel U. Osagie – software, review and editing

Adewumi Taiwo – Data curation.