



### REVIEWER'S REPORT

Manuscript No.: IJAR-58013

**Title: Petrogenesis and geochemistry of Birimian granitoids in the eastern Korhogo belt: Geodynamic implications.**

**Recommendation:**

Accept as it is

Accept after minor revision

Accept after major revision

Do not accept (*Reasons below*)

Rating	Excel.	Good	Fair	Poor
Originality	√			
Techn. Quality		√		
Clarity		√		
Significance		√		

Reviewer ID: JP085

**Reviewer's Comment for Publication.**

This manuscript investigates the petrography, geochemistry, and petrogenesis of Birimian granitoids from the eastern Korhogo belt in northern Côte d'Ivoire. The study uses petrographic observations and geochemical analyses to determine the origin, tectonic setting, and geodynamic significance of the granitoids.

**Strength:**

1. Focuses on a geologically important and relatively understudied area.
2. Uses both petrographic and geochemical methods for comprehensive analysis.
3. Provides clear interpretation of major, trace, and rare earth element data.
4. Results contribute to understanding crustal growth and tectonic evolution in the West African Craton.
5. Well-structured manuscript with logical flow from results to conclusions.

**Weakness:**

1. Limited sample size (only seven rock samples).
2. Absence of isotopic and geochronological data to support petrogenetic interpretations.
3. Some figures and tables need improved clarity and presentation quality.
4. Discussion could include more comparison with similar studies from neighboring regions.
5. Minor grammatical and language corrections are required.

**Overall assessment:**

The manuscript provides valuable new information on the Korhogo granitoids and contributes to understanding the geological evolution of the Baoulé-Mossi domain. The study is scientifically relevant and well organized, but additional supporting data and improved discussion would strengthen the conclusions.

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**Recommendation:** Manuscript accepted for publication.