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Paleoenvironmental analysis and paleobiogeography of the Langhian-Serravallian succession in Wadi Trakee, westcentral Sinai (Egypt): An implication for Mediterranean and Paratethys faunal exchange



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1-Oscillation in sea level changes represented by lagoons and open marine conditions prevailed in the Langhian.

2-Serravallian Sea comes after sea regression and a short hiatus at the end of Langhian and ended by lagoons environments in the latest Serravallian.

3-Two unconformity surfaces are detected, the first lies within the Langhian while the second lies at the end of the Serravallian.

4-High rate of faunal exchanges occurred (seas connections) between the Mediterranean and Paratethys during Langhian and Serravallian

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