

## **Continental Deposits of Eocene Age in Western Algeria (South of Saharian Atlas)**

1BENSALAH, M., 2MAHBOUBI, M. and 3SEKKAL, M.S.A.1The  
Departement of Earth Sciences, University Aboubekr Belkaid  
TLEMCEM (Algeria), 2The Departement of Earth Sciences,  
Université Es Senia ORAN (Algeria)

This paper presents some sedimentologic and stratigraphic  
result from the cenozoic series in the southern of saharian Atlas.  
Brief indications are given concerning the depositional  
environments and especially the Eocene continental series which  
are largely exposed in the Meridja and Kenadza zones (western  
of Bechar).

So finig up "sedimento-pedogenetic cycles" are distinguished.  
The more complete type of sequence begins with fluvatile  
sediments organized in channel-fill successions and is closed by  
important pedogenetic crusts.

Different faciologic and vertical variations allow to propose a  
schema of depositional zones on the Southern border of the  
Western Saharian Atlas: - Proximal zone with an important alluvial  
cone, - Middle zone with facies of playa, - Distal endoreic zone  
characterized by evaporitic facies.

With regard to the tectogenetic evolution, it is possible to point  
out the major atlasic phase, principally compressive of Lutetian  
and Bartonian age (also recorded in the northern area).

Finally, such an orogenesis is comparable with the "pyrenean-  
provençal" orogen which have highly marked some regions of thé  
meridional France during the Late Cretaceous times and the  
Eocene period (pyrenean phase).