

Sous le Haut Patronage de Monsieur
le Ministre de l'Industrie et des Mines



La Wilaya Déléguée
de Timimoun



La Wilaya D'Adrar



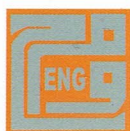
5ème Séminaire National de Stratigraphie Timimoun les 19, 20, 21 et 22 Octobre 2016



RECUEIL DES RESUMES



SOMIFER



"front de redox" de types verticaux. Les sondages ont permis de conforter la preuve de l'activité tectonique importante du début du Tertiaire.

En conclusion nous résumerons brièvement l'essentiel des guides utilisés et permettant à partir d'analyses de terrain et de sondages d'identifier les « halos de redox » préservés susceptibles de receler des fronts de redox conservés et abritant des gisements, objectifs des travaux.

Mots-clés : bassin de Tim Mersoï – Niger - Exploitation minière - Uranium- Plaque africaine et eurasiennne
- Volcanisme .

BIOSTRATIGRAPHIC INTEREST OF BIVALVE'S ASSOCIATIONS (MOLLUSK) FROM THE PLIOCENE OF L'ORANIE (NORTH WEST OF ALGERIA)

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Despite the almost exclusive use of high-resolution markers (planktonic foraminifera, nannofossil) for the dating of geological terrain, the associations of bivalves (mollusk) could constitute a precious tool in the stratigraphic precision of the neogene lands of the Oranie, especially in the littoral facies where the usual daters are totally absent.

However, the biostratigraphic zonation scale based on *Pectinidae* and proposed by Demarcq (1990a-b) in: Ben Moussa (1994) provides important information on the establishment of associations of bivalves that succeeded in the Mediterranean region, from the Upper Oligocene to the Quaternary. The pliocene deposits were dated by the PN8 association, which consists of *Chlamyspesfelis*, *Pectenjacobaues* and *Pectenreghiensis*, with additional species (*Flabellipecten flabelliformis* and *Flabellipectenalesiii*).

In the Oranie (Bas Chelif basin), the analysis of bivalves associations belonging to the section of Oued Sidi Salem (Sahaouria, Beni Chougrane) has awarded a Pliocene age to the upper sandstone deposits. This age was confirmed by the establishment of the *Pectinidae* association composed of *Chlamyspesfelis* and *Cristatopecten cristatum*. Indeed, the first species, which replaces by anagenetic transformation its ancestor *Chlamys fasciculata* (Freneix et al., 1987a ; BenMoussa, 1994), is well known in the Atlantic and Mediterranean pliocene deposits (BenMoussa et al., 1987; BenMoussa, 1994). Moreover, *Cristatopecten cristatum* shows more elongated shell along the umbono-pallial diameter, which differentiates it with the "badensis" mutation Fontannes by Deperet and Roman (1902-1912). This taxon is considered as the ancestral (Upper Miocene) of *Cristatopecten cristatum*, dating the Pliocene. Addition of macro fauna, enough rich quantitatively (*Flabellipecten flabelliformis*), was harvested in the Pliocene deposits of Sidi Brahim (center of bas Chelif basin).

Keywords : Bivalves - Pectinidae - Pliocene - Oranie - Associations - Biostratigraphy.