

## Biostratigraphy of Neogene and Quaternary Deposits of the West Turkmen Depression

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**Abstract :** The complex of sedimentary deposits that make up the West Turkmen Basin is almost completely hidden under the Quaternary formations. The most ancient deposits emerging on the surface in some places are the deposits of the Red Color Suite of the Pliocene. Miocene deposits are exposed only at the Western end of the Kopet Dag. The main object of stratigraphic, including micropaleontological studies, were the deposits of the Quaternary and Pliocene forming marine and coastal structures. The identified stratigraphic units have certain characteristic Ostracod complexes. The fauna of the Ostracod acquires special significance in the stratification of Neogene and Quaternary deposits. Ostracods of the Neogene, Pliocene and Quaternary deposits of the West Turkmen depression are represented by a large part of the species common in the corresponding deposits of Azerbaijan and Iran.

**Keywords :** neogene, quaternary, turkmenistan, south caspian basin, ostracoda, foraminifera, biostratigraphy, paleontology

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