

# Nannostratigraphy of a marly shale flyshoid from Afzalabad in northern Birjand (eastern Iran)

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Flyschoid deposits in eastern Iran resulted from the Alpine–Himalayan orogeny that was the product of a long-term convergence between Eurasia and parts of Gondwana and the closure of the Neo-Tethys Ocean. The studied sequence is located in eastern Iran (Sistan suture zone) in the village of Afzal Abad (northern Birjand) and consists of 4300m of shales and marls with interlayers of sandstones or only sandstone units of varying thicknesses. The nannofossils are moderately preserved and diverse. As a result of this study, 44 genera and 108 species of

calcareous nannofossils were identified and photographed. Based on the nannofossils, the section is placed within Zones NP11–NP19 and NN8–NN10 of Martini (1971), or the Ypresian to Priabonian and the Tortonian.

## References

- Martini, E. 1971. Standard Tertiary and Quaternary calcareous nannoplankton zonation. In: A. Faranacci (Ed.). *Proceedings of the Second Planktonic Conference Roma 1970*. Edizioni Tecnoscienza, Rome, 2: 739–785.