

### Neogene biostratigraphy of Western Taiwan

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*The Taiwan basin has a thick sequence of Tertiary shallow marine sediments. Micropalaeontological research play a predominant role in the basin study and the sub-surface correlation. The Neogene sequences are well developed in western Taiwan. These sequences are palaeontologically in these best known interval of the sedimentary column of the island.*

*The utility of both planktic and benthic foraminifera for correlation in marine sediments has been thoroughly established in Taiwan since the 1960s. The last few years have also witnessed the increased use of calcareous nannofossils.*

*The succession of planktic foraminifera, the datums, and the epoch boundaries in the Taiwan Neogene are discussed, with reference to a generalized range chart and the lithostratigraphic units. Biostratigraphic ranges of these species in the Neogene sequence of western Taiwan allow establishment of 18 foraminiferal datum planes useful for intraregional as well as international stratigraphic correlation. The benthic foraminiferal zonation and some prominent lineages are also discussed.*

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