

Aquitanian Ostracod Biostratigraphy of Bombay High, Bombay Offshore Basin, India

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Seventy ostracod taxa are recorded from the subsurface wells of the Lower Miocene (Aquitanian) beds of Bombay High, Bombay Offshore Basin, India. Of which, 13 species are new. They are: *Actinocythereis pseudogujaratensis*, *Bairdoppilata angulata*, *B. distincta*, *B. elongata*, *B. sinhai*, *Bythocypris pandeyi*, *Hermanites aquitanica*, *Hornibrookella mumbaiensis*, *Hemicytheridea keeni*, *Paracypris indica*, *Phlyctenophora maharashtraensis*, *Pokornyella maharashtraensis*, and *Quadracythere colini*.

On the basis of First Appearance Datum (FAD) and Last Appearance Datum (LAD) of ostracods, the early Lower Miocene (Aquitanian) section is divisible into six ostracod interval zones: They are in ascending order: 1. *Hermanites aquitanica* n.sp.–*Alocopocythere elongata* Interval Zone, 2. *Alocopocythere elongata*–*Pokornyella mehrai*-B Interval Zone, 3. *Pokornyella mehrai*-B–*Hemicytheridea keeni* Interval Zone, 4. *Hemicytheridea keeni*–*Bythocypris pandeyi* Interval Zone, 5. *Bythocypris pandeyi*–*Stigmatocythere* (B) *khoslai* Interval Zone and 6. *Stigmatocythere* (B) *khoslai*–*Pokornyella pindaraensis* Interval Zone.

All the new ostracod taxa and ostracods, which are recorded for first time in the Lower Miocene of Bombay High are briefly described and illustrated.

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