

Significance of *Miscellanea miscella* (d'Archiac & Haime) in Pakistan Stratigraphy

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Miscellanea miscella (d'Archiac & Haime) is known to range from Paleocene to Lower Eocene in the literature. It has similar stratigraphic distribution in Pakistan.

Miscellanea miscella (d'Archiac & Haime) in association with *Lockhartia haime* (Davies), *Operculina subsalsa* Davies & Pinfold and *Lockhartia conditi* Nuttall characterises the Paleocene, whereas the addition of *Ranikothalia sindensis* (Davies), *Ranikothalia nuttalli* (Davies) *Actinosiphon tibetica* (Douville'), *Discocyclina ranikotensis* Davies & Pinfold, *Operculina patalensis* Davies and Pinfold, *Lockhartia tipperi* (Davies) and *Assilina subspinos*a Davies & Pinfold distinguishes an Upper Paleocene age.

The association of *Miscellanea miscella* (d'Archiac & Haime) with *Discocyclina dispansa* Sowerby, *Nummulites mamillatus* (Fichtel & Moll), *Assilina spinosa* Davies & Pinfold draws attention towards the Lower Eocene age.

Miscellanea miscella (d'Archiac & Haime) characterises the Paleocene succession in northern Pakistan, while it extends into the Lower Eocene in southern Pakistan by virtue of the faunal assemblage.