

## **Biostratigraphy of the Patala Formation, Makarwal area, Surghar Range, northern Pakistan**

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73 meters thick Patala Formation is well exposed in Makarwal area with its sharp contacts with underlying Lockhart Limestone and overlying Nammal Formation. 30 samples were collected from bottom to top at equal intervals for the study of age diagnostic microfauna. 09 species of larger foraminifera were recorded including *Miscellanea miscella*, *Lockhartia haimei* and *Alveolina veredenburgi*. On the basis of the fauna recorded, the age of the Patala Formation in this area (according to modern Shallow Benthic Biozones) is SBZ 4-5 and boundary between SB-4 and SB-5 zones (between Thanetian and Ilerdian) is marked within Patala Formation at a level of 61 meters from its lower contact with Lockhart Limestone.