



SOME FOSSIL ASCOPHORAN BRYOZOAN TAXA FROM TERTIARY SEQUENCES OF WESTERN KACHCHH, GUJARAT

ASIT K. GUHA* and K. GOPIKRISHNA

DEPARTMENT OF GEOLOGY AND GEOPHYSICS, INDIAN INSTITUTE OF TECHNOLOGY, KHARAGPUR – 721302.

* 14/56, UDAY SANKAR SARANI, KOLKATA - 700 033.

*E-mail: gak3366@yahoo.co.in.

ABSTRACT

Twenty-eight fossil ascophoran bryozoan taxa viz. *Puellina (Cribrilaria) larwoodi* n. sp., *Cribrilina* gen. et sp. indet., *Trypostega rossae* n. sp., *Arachnopusia kankawatiensis* n. sp., *Bathosella biavicularia* n. sp., *Escharella ashapurae* n. sp., *Escharoides cuneiformis* n. sp., *E. multispinosa* n. sp., *Schizomavella decorata* n. sp., *Cigclisula ramparensis* n. sp., *Porina* sp., *Tremotoichus fulraensis* n. sp., *Margaretta fusiformis* n. sp., *M. rajui* n. sp., *Cosciniopsis parilis* n. sp., *C. tuberosa* n. sp., *Calyptotheca aviculifera* n. sp., *C. subhexagonalis* n. sp., *C. subrectangulata* n. sp., *Microporella waghotosensis* n. sp., *M.* sp., *Petraliella megafera* n. sp., *Tubiporella bispinosa* n. sp., *Siphonicytara confusiata* n. sp., *S. hexaserialis* n. sp., *Iodictyum megapora* n. sp., *Reteporella granti* n. sp. and *R. quadripora* n. sp. belonging to 20 genera (including one indeterminate) in 15 families are described and illustrated from the Tertiary rock sequences of western Kachchh, Gujarat.

Tremotoichus fulraensis n. sp. (Eocene-Miocene), *Calyptotheca subhexagonalis* n. sp. (Oligocene-Miocene) and *Reteporella quadripora* n. sp. (Oligocene-Miocene) are the three species that occur in more than one epoch. Eight species (*P. (C.) larwoodi* n. sp., *B. biavicularia* n. sp., *E. cuneiformis* n. sp., *E. multispinosa* n. sp., *C. parilis* n. sp., *T. bispinosa* n. sp., *S. confusiata* n. sp. and *S. hexaserialis* n. sp.) are restricted to Eocene formations, two (*C. tuberosa* n. sp. and *C. subrectangulata* n. sp.) to the Oligocene, while the remaining 15 taxa are found to occur only in the Miocene formations in Kachchh.

The oldest occurrences of five genera are reported: *Cigclisula* Canu and Bassler, 1927 (from Recent to Miocene), *Cosciniopsis* Canu and Bassler, 1927 (from Recent to Eocene), *Calyptotheca* Harmer, 1957 (from Recent to Oligocene), *Petraliella* Canu and Bassler, 1927 (from Pliocene to Miocene) and *Tubiporella* Levinsen, 1909 (from Recent to Eocene).

Keywords: Tertiary, Gujarat, Kachchh, Bryozoa, ascophoran taxa