

Evolution of the Jurassic and Cretaceous smooth-walled *Lenticulina* (Foraminiferida) of Poland

Bronisława Jendryka-Fuglewicz

Acta Palaeontologica Polonica 20 (2), 1975: 99-197

Three developmental phases of the *Lenticulina* have been distinguished, including (1) Lias, (2) Dogger - Lower Cretaceous and (3) Upper Cretaceous. The phylogenetic changes in the *Lenticulina* led to a decrease in the number of chambers in the outer whorl with a simultaneous increase in test size, in the degree of involution, and in the diameter of umbilical areas, as well as with a progressive development of the *Robulus* slit in aperture. The decrease in the number of chambers in outer whorl occurs in independent ways, by: 1 - a decrease, in the geological time, of the number of chambers forming the test and 2 - a decrease in the number of chambers in outer whorl, with a simultaneous increase in the total number of chambers, in the length of spiral and number of whorls. Thirty-one species have been studied and morphotypes distinguished in polymorphic species. Simple statistical methods and microstructural studies were applied. The stratigraphic range of the following, so far confused, species: *Lenticulina gottingensis* (Bornemann), *L. muensteri* (Roemer) and *L. rotulata* Lamarck was established.

This is an open-access article distributed under the terms of the Creative Commons Attribution License (for details please see creativecommons.org), which permits unrestricted use, distribution, and reproduction in any medium, provided the original author and source are credited.