ACTA PALAEONTOLOGICA POLONICA

The ultrastructure of ribbon-like deposits over the thecae in Orthograptus gracilis Roemer

Adam Urbanek and Grażyna Mierzejewska
Acta Palaeontologica Polonica 23 (4), 1978: 637-642

The periderm of Orthograptus gracilis has bee studied with an electron microscope (TEM and SEM). Four components have been recognized within the thecal wall: 1. endocortex, 2. fusellar layer, 3. cortex and so-called 4. taeniocortex. Taeniocortex covering the outer surface of the thecal wall consists of ribbon or sometimes roller-like elements and is produced of a peculiar material. The data obtained do not confirm Andres' belief that ribbons are made of cortical material and that entire cortex was produced by deposition of ribbon-like units.

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.

Full text (2,581.1 kB)