

## **Latest Famennian brachiopods from Kowala, Holy Cross Mountains, Poland**

Adam T. Halamski and Andrzej Baliński

*Acta Palaeontologica Polonica* 54 (2), 2009: 289-306 doi:<http://dx.doi.org/10.4202/app.2007.0066>

Latest Famennian (UD–VI, “Strunian”) brachiopod fauna from Kowala (Kielce Region, Holy Cross Mountains, Poland)

consists of eighteen species within 6 orders, eleven of them reported in open nomenclature.

Characteristic taxa include: *Schellwienella pauli*, *Aulacella interlineata*, *Sphenospira julii*, *Novaplatisrostrum sauerlandense*, *Hadyrhyncha* sp., *Cleiothyridina struniensis*. New morphological details of *Schellwienella pauli*, *Sphenospira julii*, and *Aulacella interlineata* are provided. The described latest Famennian brachiopod fauna is distinctly richer than that from underlying upper Famennian deposits (11 species within 4 orders). Majority of species from Kowala seem to have been adapted to deep water settings and/or poor nutrient availability. The stratigraphic separation between *Planovatisrostrum* in the UD–III to UD–V and *Novaplatisrostrum* in the UD–VI observed in Sauerland and in Thuringia is valid also in the Holy Cross Mountains. This is the first comprehensive report of a relatively diversified latest Famennian brachiopod fauna from surface outcrops of Poland.

**Key words:** Brachiopoda, Late Devonian, Famennian, Strunian, Holy Cross Mountains, Poland.

Adam T. Halamski [[ath@twarda.pan.pl](mailto:ath@twarda.pan.pl)] and Andrzej Baliński [[balinski@twarda.pan.pl](mailto:balinski@twarda.pan.pl)], Polish Academy of Sciences, Institute of Paleobiology, ul. Twarda 51/55, PL–00–818 Warszawa, Poland.

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

