

## A new giant discinoid brachiopod from the Lower Devonian of Algeria

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A new discinoid brachiopod *Gigadiscina* gen. nov., with the type species *G. lessardi* sp. nov. is described from the Lower Devonian (Siegenian) of the Tamesna Basin (South Ahaggar Massif, South Algeria). It is characterised by large size and convexo-planar profile of the shell, with a subcentral pedicle foramen. Micro-ornament is typically discinoid, with small circular pits in radial rows on the post-larval shell surface. Related species of Malvinokaffric Realm origin from South Africa, Falkland Islands, Antarctica, South America, and Libya are reviewed, including the poorly known *Discina anomala* from the Lower Devonian of Germany. The giant size and convexo-planar shells of these discinoids, remarkably similar to recent limpets, are interpreted as adaptation to a habitat in proximity of sandy and gravel beaches in a high-energy environment. Most likely, the conical dorsal valve suppressed drag in turbulent waters, whereas fixation of shell by large, sucker-like pedicle eliminated peeling from substrate.

**Key words:** Brachiopoda, Discinoidea, Devonian, Algeria, Germany.

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