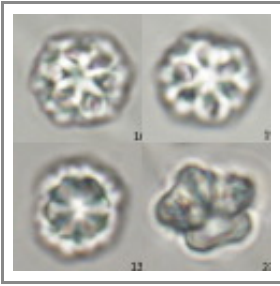
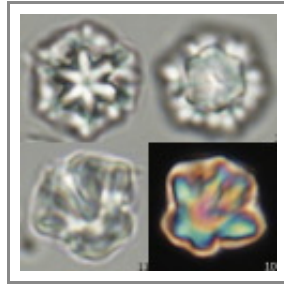


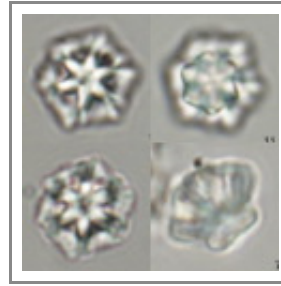
Olladiscoaster perplexus



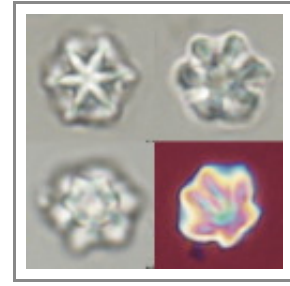
Varol & Bowman 2024
pl16 f01-24.jpg



Varol & Bowman 2024
pl17 f01-16.jpg



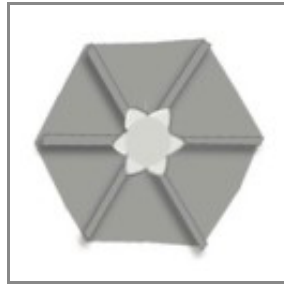
Varol & Bowman 2024
pl18 f01-16.jpg



Varol & Bowman 2024
pl15 f01-20.jpg



Varol & Bowman 2024 fig
7-15.JPG



Varol & Bowman 2024 fig
7-16.JPG

Current identification:

Compiled data

Citation: *Olladiscoaster perplexus* Varol & Bowman 2024

Taxonomic rank: species

Type specimens: Holotype: Plate 15, Figs. 1-20 (same specimen in mobile mount).

Type age (chronostrat): Zone NN6, Middle Miocene.

Type locality: USGS-NASA Langley core Hampton, VA, USA.

Type repository: Varol Research, Llandudno

Repository Country: Wales

Original Description

Hexagonal species of *Olladiscoaster* have segments without arms. On the distal side, the distinct sutural ridges are created by the deep cavities. The sutural ridges are almost aligned to the vertices of the species and are distinctly raised towards the centre and capped by kite-shaped distal covers. The distinct proximal ridges with a hexagonal-stellate knob decorate the bulged proximal side. At the side view, *Olladiscoaster perplexus* resembles a bouquet.

Size:

Dimensions of holotype: Maximum diameter: 6.43 μm , Maximum height: 5.8 μm ; Diameter of the proximal knob: 3.53 μm , Height of the proximal knob: 1.25 μm (measurements from bright field micrograph)

Etymology:

From the Latin perplexus, confused - refers to the very unusual close alignment of the sutural ridges to the apices of the species.

Extra details from original publication

Remarks: *Olladiscoaster perplexus* and *Olladiscoaster exagonikoasteri* have hexagonal outlines, and their sutural ridges are almost aligned with the vertices of the species. *Olladiscoaster perplexus* differs from *Olladiscoaster exagonikoasteri* by having kite shape distal cover and a hexagon-stellate proximal knob, whereas the latter has a boomerang shape distal cover and lacks a proximal knob.

Occurrence: This species is recorded from IODP Leg 354, Hole 1451B, Ninetyeast Ridge, Bengal Fan, Indian Ocean, USGS-NASA Langley core 134.4 m, Hampton, VA, USA and various commercial oil wells in the Gulf of Mexico.

Stratigraphic range: Middle Miocene (Zone NN6).

References: ?

Varol, O. & Bowman, A. R. (2024). The new Middle Miocene genus *Olladiscoaster*, and related and associated discoasters. *Grzybowski Foundation Special Publication*. **28**: 1-102. [gs](#)



nannotax

Olladiscoaster perplexus: Farinacci & Howe Catalog entry.
PDF copy made: 14-1-2025

Taxon Search: