

NANNOTAX CATALOG - *Hughesius youngii*

Folder trail: [Farinacci](#) -> [H](#) -> [Hughesius](#) -> [Hughesius youngii](#)

Folders this level: [H. gizoensis](#), **[H. youngii](#)**,



daGama & Varol 2012 pl2
09-11.jpg

Current identification/main database link:

Compiled data

Citation: *Hughesius youngii* da Gama & Varol 2012

Rank: Species

Type locality: Mozambique Channel, W. Indian Ocean

Type level: Zone NN2, Early Miocene

Standardised type level: 121_LOWER MIOCENE

Type sample: DSDP, site 242-8-5, 70-71cm

Type repository: authors collection

Repository Country: USA

Original Description

Diagnosis: Species of *Hughesius* with two elongated elements in the central area.

Description: This elliptical placolith has elongated two plates in the central area. When the species is aligned 45° to the polarizers, the elements of the shield become birefringent where the long axis of the plates touches the shield. In this respect it artificially resembles *Cryptococcolithus biparteoperculata*.

Size: Holotype; length 4.0 μm ; width 2.4 μm

Etymology: In honour of Dr. Jeremy R. Young, Nannofossil specialist and good friend, UCL, UK.

Extra details from original publication

Remarks: *Hughesius youngii* is distinguished from *Hughesius gizoensis* by having strongly elongated central elements. The central plate is also made up of two pieces but rounded in *H. gizoensis*. The primary distinguishing characteristic is the birefringence of shield elements where apex of plates touches the shield.

Occurrence: *H. youngii* is recorded NN2-NN4, in Lower Miocene sediments of the Philippines, Vietnam, Malaysia, Indonesia, Gulf of Aden, West Africa, Brazil, Trinidad and Gulf of Mexico.

References:

da Gama, R. O. B. P. & Varol, O. (2012). New Late Oligocene to Miocene Species. *Journal of Nannoplankton Research*. **33**(1): 1-12.
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