



14th Symposium

of the International Fossil Coral and Reef Society

Poland 2023

Corals from a lost Štramberk Carbonate Platform, Jurassic/Cretaceous transition, Czech Republic

Presentation: Štramberk is one of the most renowned paleontological sites. Tithonian–lower Berriasian Štramberk Limestone exposed in a huge Kotouč quarry in Štramberk (Carpathians, Czech Republic) occur as olistoliths and large blocks embedded in the Cretaceous flysch. Corals were already described in the 19th century by Marie Ogilvie. Starting in the 1970s they were studied by Helena Eliášová. Approximately 120 species of 50 genera are known from these limestones, which makes it the richest coral assemblage from coral reefs grown around the time of the Jurassic/Cretaceous boundary. In ca. 10 cm-size samples of reef breccia, corals of even 3–5 genera can occur.

Particularly rich at this locality are corals of the suborder Pachythecaliina (=Amphiastreina) whose higher taxonomic position is one of the most debated among the the post-Paleozoic corals. Similar coral assemblages occur in the Štramberk-type limestones as pebbles-blocks (exotics) in flysch deposits of the Polish Carpathians. Coral-microbial patch-reefs were formed mostly in an inner carbonate platform. The Štramberk Limestone also contains boundstones with the microencruster-microbial-cement framework with rare corals. This type of reef was developed only on the slopes of intra-Tethyan carbonate platforms.



Leaders:

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Programme (2 days fieldtrip):

- September 17th (Sunday): meeting point in Kraków. On the way to Štramberk we will stop in Polish Carpathians to see flysch with pebbles of Štramberk-type limestones and Lower Cretaceous corals.
- September 18th (Monday): Visit in the Kotouč quarry in Štramberk, transfer to Kraków.

Excursion fee: 215 €



Excursion fee includes:

- Transfer to/from Štramberk
- Accommodation in rooms with en suite bathrooms (September 17th/18th)
- Take away lunch, dinner (September 17th)
- Breakfast, take away lunch and dinner (September 18th)

What is not included:

- Insurance. Every participant should have medical insurance valid in Czech Republic.

N° of participants: min 15/max 45

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