

GREGUSSISPORITES, A NEW SPORE GENUS FROM ALBIAN SEDIMENTS

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Genus: **Gregussisporites** gen. nov.

Derivatio nominis: The name has been given to honour PROF. DR. PÁL GREGUSS

Type species: *Gregussisporites orientalis* nov. gen. et nov. sp.

Diagnosis: trilete spores with subcircular to subtriangular amb. Both proximal and distal surfaces ornamented by large verrucae which are regularly hexagonal in outline at their bases, forming a honeycomb-like "negative reticulum."

Differential diagnosis: The new genus is distinct from *Tuberosisporites* DÖRING 1964, *Varirugosisporites* DÖRING 1965 in having regularly distributed verrucae and honeycomb-like "reticulum".

Gregussisporites orientalis nov. gen. et nov. sp.

Plate I., Figs. 1—5.

Locus typicus: Súr, Mts. Bakony (Hungary), Bore Súr-1.

Stratum typicum: "Munieria" clayey-marl, Tés Clay Formation, 533 m. Middle Albian.

Holotype: Slide: Súr-1.: 533/1., coord.: 37.1—113.2. Pl. I., Figs. 1—2.

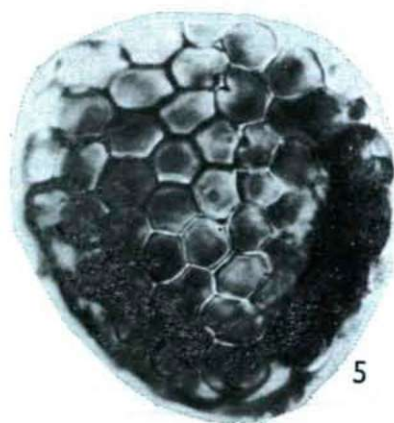
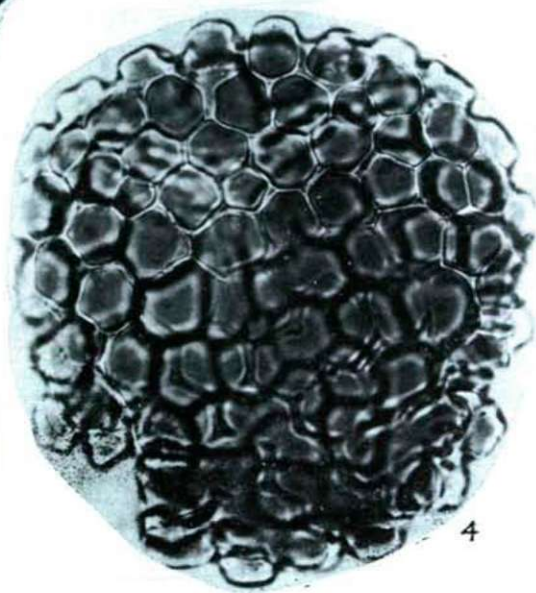
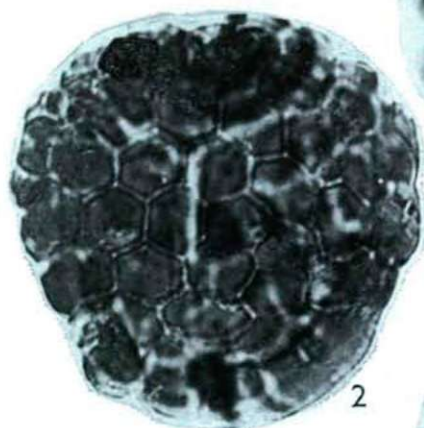
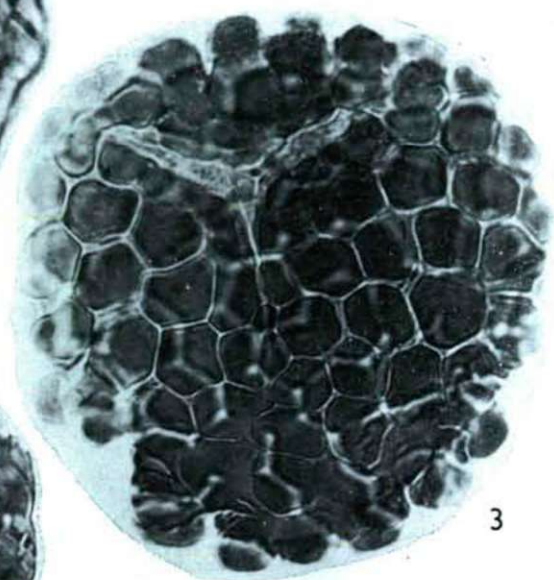
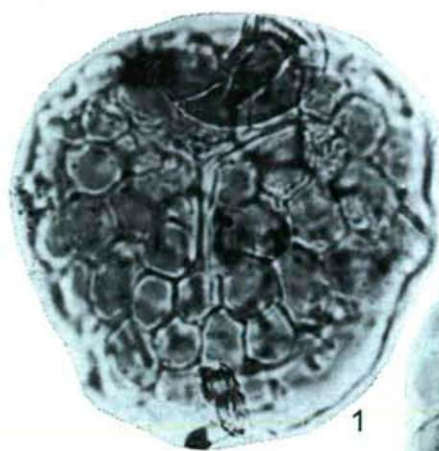
Paratypes: Mts. Crimea (USSR), slide M-1.; coord.: 45.7—104. Pl. I., Figs. 3, 4., and slide 5G., coord. 40.5—107., Pl. I., Fig. 5.

Diagnosis: Trilete spores, laesurae simple, short, about 1/2 of spore radius, are often opened. Amb subcircular or rounded subtriangular. Exine 5—7 μ m thick, verrucose on distal as well as proximal face. Verrucae hemispherical, 7—10 μ m in diameter at their bases, 4—6 μ m high, spaced 0.7—1.0 μ m apart, formed more or less regularly hexagonal, honeycomb-like negative reticulum.

Spore size: 48—80 μ m (holotype: 52 μ m).

Differential diagnosis: the *Gregussisporites orientalis* nov. sp. differs from all verrucose species in having honeycomb-like negative reticulum both on proximal and distal surfaces.

Occurrence: Hungary: Mts Bakony, Middle Albian to Upper Albian; rare species.
USSR: Mts Crimea, Upper Albian; common.

Plate I

References

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- DÖRING, H. (1965): Die sporenpaläontologische Gliederung des Wealden in Westmecklenburg (Struktur Werle). — *Geologie., Beih.*, 47, 1—118.

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