

## Selected examples of Mesozoic calcimicrobial crusts

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The coatings of oncoids, found in packstones-grainstones of the Pliensbachian Massone Member (Calcari Grigi Formation, Trento Platform), are made up of two groups of microorganisms intergrowing each other, which are attributed to calcified cyanobacteria: (1) a new taxon of the family Thaumaporellaceae De Castro, 1988, and (2) a form provisionally assigned to *Pseudolithocodium carpaticum* Misik, 1979.

Well-preserved crusts of *Koskinobullina socialis* Cherchi & Schroeder, 1979 from the Cenomanian of Northern Spain, intergrowing with rhodophycean algae, are presented.

The problematic genus *Lithocodium* Elliott, 1956 (Trias to Cretaceous), firstly attributed to codiacean algae and later on considered to be a Loftusiid foraminifer by Schmid & Leinfelder (1996), may be interpreted as calcimicrobial colonies.