

Д. члены *В. И. КАТКОВА, В. И. РАКИН*

БАКТЕРИАЛЬНЫЙ ГЕНЕЗИС КАЛЬЦИТА

V. I. KATKOVA, V. I. RAKIN. BACTERIAL GENESIS OF CALCITE

Spherulites and polycrystalline aggregates of calcite were produced by the bacteria activity of *Escherichia coli* within the gel media. The block-like microaggregates and single crystals of calcite were obtained also due to microbial association of *Escherichia coli* and *Staphylococcus aureus*. Metabolic products CO_2 and H_2O are formed by bacteria from polysaccharides, and so formed carbonic acid with ions of calcium leads to the crystalline deposits within the gel.