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Calcification in a coccoid cyanobacterium associated with the formation of desert stromatolites  
Biogenic laminar calcretes: evidence of calcified root-mat horizons in paleosols; Aspects of Calcrete Petrography; Calcrete conglomerate, case-hardened conglomerate and cornstone—a comparative account of pedogenic and non-pedogenic carbonates from the continental Siwalik Group, Punjab, India; Siliciclastic grain breakage and displacement due to carbonate crystal growth: an example from the Lueders Formation (Permian) of north-central Texas, USA  
Near-surface shrinkage and carbonate replacement processes, Arran Cornstone Formation, Scotland  
The application of cathodoluminescence to interpreting the diagenesis of an ancient calcrete profile; Calcretes and Palustrine Carbonates; Lacustrine carbonates and pedogenesis: sedimentology and origin of palustrine deposits from the Early Cretaceous Rupelo Formation, W Cameros Basin, N Spain; References; Index

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Sommario/riassunto

Calcretes are an important component of many ancient fluvial, lacustrine and shallow-marine carbonate sequences, and they are widely developed in many parts of the world at the present time. Calcretes are useful to the earth scientist involved in reconstructing ancient environments, palaeoclimates and palaeogeographics, and they may also reveal details of soil biota and chemistry. Over the last two decades the journal *Sedimentology* has published a number of articles on this subject and a compilation of them is presented here. In addition to the five main sections, this volume also includes

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