

Ophiolites of Oman

Elsevier - Oman Ophiolite Emplacement Discussion



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Semail Ophiolite

Rift facies lithologies occur both in the metamorphic sole welded to the ophiolite and in the major thrust sheets directly underlying the ophiolite. Thought to represent oceanic crust that was overridden during early stages of overthrusting of the nearby ridge.

Semail Ophiolite

The scenic drive up onto the Saiq Plateau passes several spectacular terraced villages famed for their orchards and rosewater, a perfume made by steaming rose petals, which Arabs traditionally sprinkle on the hands of guests after dinner. They are characterized by medium-grained hypidiomorphic to ophitic textures. Ophiolites thus became a name for a well-known association of rocks occurring in the and of Italy.

THE SEMAIL OPHIOLITE/OMAN

This requires ophiolites to be much older than the orogenies on which they lie, and therefore old and cold. This involved both intra-oceanic detachment of the ophiolite slabs and their emplacement onto the continental margin.

Oman Ophiolite Emplacement Discussion

Uplifting started in the Infra-Cambrian and continued until the Late Cretaceous. Geological Society, London, Special Publications. The Semail ophiolite crops out in a belt 600 km long and 150 km wide and between 5 and 10 km thick.

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