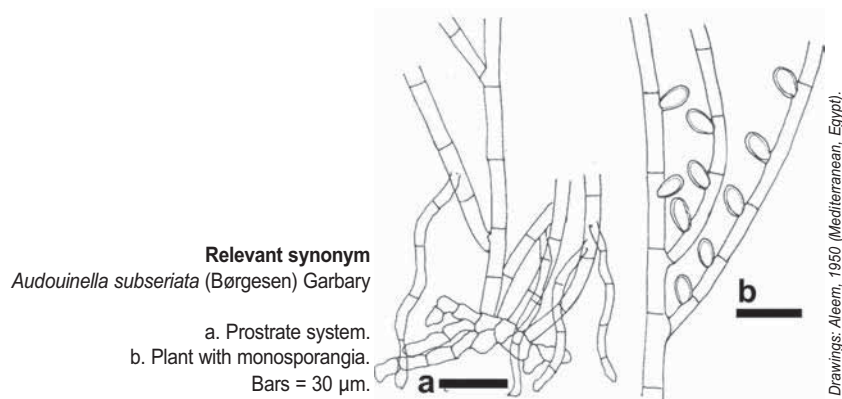


Acrochaetium subseriatum Børgesen



Short description

Small (to 1.5 mm high), filamentous, uniseriate, branched; epiphytic; basal system consisting of short, irregularly branched creeping filaments; one to several erect filaments irregularly to unilaterally branched, 8-11 μ m in diameter; cells 3-5 times as long as broad; multicellular rhizoids emerging from the basal cells of the main filaments or from the lower branches and growing downwards until the cortex of the host plant; one parietal plastid with a pyrenoid each cell; monosporangia obovate, 7-10 μ m in diameter and 12-16 μ m long, usually sessile and seriatly arranged on the upper sides of the branches.

Distinguishing characteristics

The basal system with descending rhizoids is distinctive; no confusion possible with the native species of *Acrochaetium*.

Biology / Ecology / Habitat

Shallow subtidal communities; epiphytic on Rhodobionta (*Acanthophora nayadiformis*, *Sarconema filiforme* and *Gelidium crinale*) in October.

Distribution

Worldwide: Indian Ocean, described from India (Børgesen 1932), Pakistan, Seychelles, Mauritius; western Pacific, Vietnam. **Mediterranean:** only recorded in 1944 from Egypt, Sinai (Aleem, 1950).

Mode of introduction

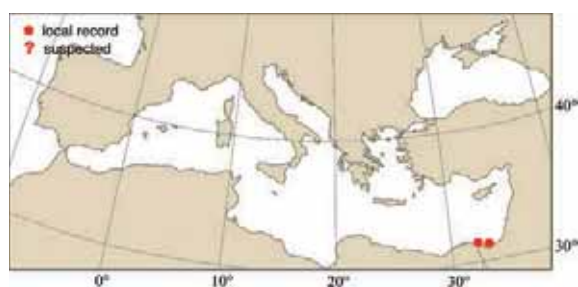
Via the Suez Canal.

Establishment

Uncertain; only known from the original record.

Importance to humans

None.



1st Mediterranean record
Sinai, Egypt, 1950 [1944].

Key references

- Aleem A.A., 1950. Some new records of marine algae from the Mediterranean Sea. *Meddelanden Från Göteborgs Botaniska Trädgård*, 18, 275-288.
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- Børgesen F., 1942. Some marine algae from Mauritius. III. Rhodophyceae. Part 1. Porphyridiales, Bangiales, Nemalionales. *Kongelige Danske Videnskaberne Selskab, Biologiske Meddelelser*, 17(5): 64, 27 figs, 2 plates.
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