

***Coelarthrum boergesenii* (Rhodophycophyta, Rhodymeniales): A New Record from Tanzania**

K. E. Mshigeni and G. F. Papenfuss

DOI: https://login.research4life.org/tacsgr1doi_org/10.1515/botm.1981.24.9.471

Published online: 23 Oct 2009

Abstract

A study has been conducted on specimens of a marine red alga collected by G. F. Papenfuss and R. F. Scagel in Tanzania during the International Indian Ocean Expedition in 1962. The thallus of the alga is small (2-3 cm tall), with a segmented construction and constrictions along the axes. Its branches arise mainly on the segments, and these often anastomose making it difficult to separate individual axes. Anatomically the axes have an epidermal layer of small cells (3—5 μm in diameter) and a cortex with outer smaller (8—20 μm in diameter) and inner larger (70—150 μm in diameter) cells. Some of the inner cortical cells bear deeply staining gland cells, which are 9—12 μm in diameter. The alga was identified as *Coelarthrum boergesenii* Weber-van Bosse, and is here reported as a first record of the genus in Tanzania.