

DERBESIA MARINA (DERBESIACEAE), A NEW RECORD OF GREEN ALGAE FROM PERSIAN GULF

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Derbesia marina (Lyngbye) Kjellman (Derbesiaceae, Chlorophyceae) is recorded for the first time from Persian Gulf. Through an investigation on seaweeds of Persian Gulf in south of Iran the species was collected from intertidal regions of Bandar Shenash that located West of Bandar Lengeh in Hormozgan province.

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Key words. *Derbesia marina*, green algae, new record, Persian Gulf, Iran.

گونه *Derbesia marina* (Derbesiaceae) گزارش جدیدی از جلبکهای سبز خلیج

فارس

جلوه سهرابی پور و رضا ربیعی

گونه *Derbesia marina* (Lyngbye) Kjellman از خانواده Derbesiaceae از رده جلبکهای سبز برای نخستین بار از منطقه خلیج فارس گزارش می‌گردد. در طی تحقیقی بر روی جلبکهای سواحل خلیج فارس در جنوب ایران این گونه از نواحی جزر و مدی سواحل بندر شناس در غرب بندر لنگه از بنادر استان هرمزگان شناسایی شد .

Introduction

A study on all literature about marine algae of Persian Gulf (Al-Hasan & Jones 1989; Basson et al. 1977_a; Basson et al. 1989; Basson, 1979a; Basson, 1979b; Basson, 1992; Børgesen, 1939; De Clerck & Coppejans 1996; Endlicher & Diesing, 1845; Sohrabipour & Rabii 1996; Sohrabipour & Rabii 1999) showed *Derbesia marina* (Lyngbye) Kjellman was not reported formerly from the Persian Gulf area. The specimen is preserved in the herbarium of Research Centre of Agriculture and Natural Resources of Hormozgan province.

Derbesia marina (Lyngbye) Kjellman

Hormozgan: Bandar Shenash, 10 Km West of Bandar Lengeh, 29.3.2002, Sohrabipour and Rabei 2246.

This species is a cosmopolitan member of *Derbesiaceae* (Chlorophyceae). Through an investigation on seaweeds of intertidal regions of Bandar Shenash in 10 km. West of Bandar Lengeh in South of Iran, one specimen of the species collected from rock pools of the area. The species is a new record for the Persian Gulf and algal flora of Iran.

The plant forming a gregarious tuft, bright green to yellowish-green in color, up to 1.5 cm tall, branches up to 60 μ in diameter, chloroplast discoid without pyrenoid, sporangia lateral and obovate up to 160 μ in diameter and 200 μ long which separated from branches with a septum (Fig. 1).

The species grows around the edges of lagoons with muddy sediments, boulders, and pebbles.

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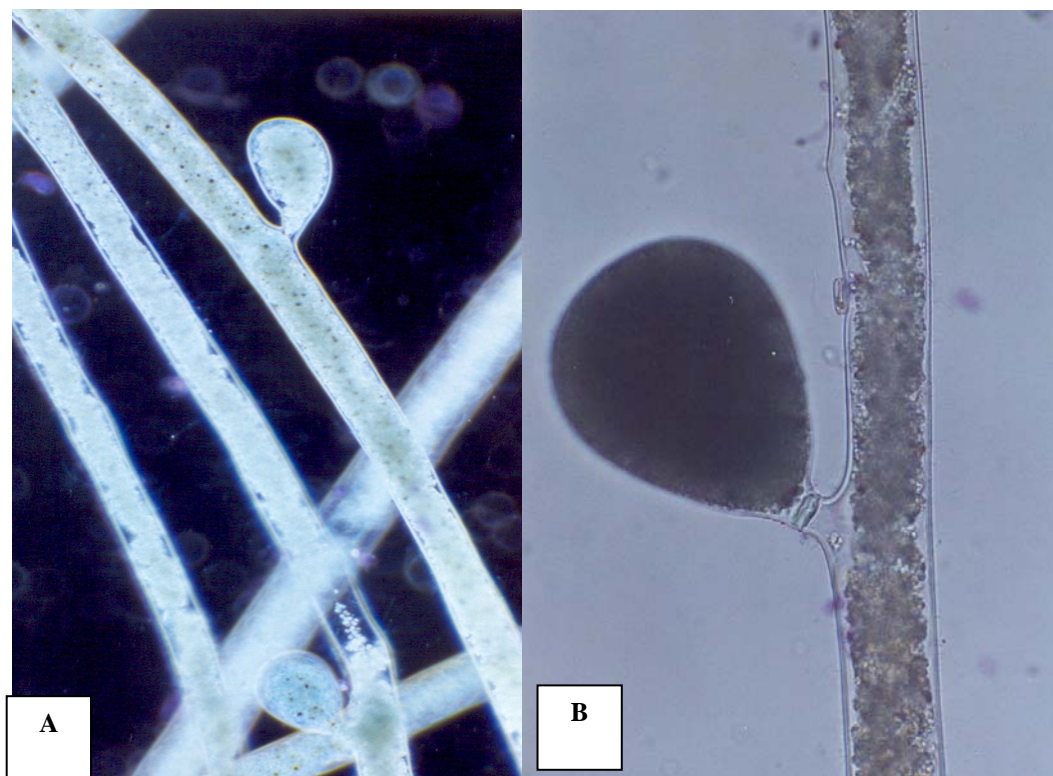


Fig. 1: *Derbesia marina*: A- filaments of the plant with sporangia (x 200); B –Septum between sporangia and branch (arrow head) (x 400).