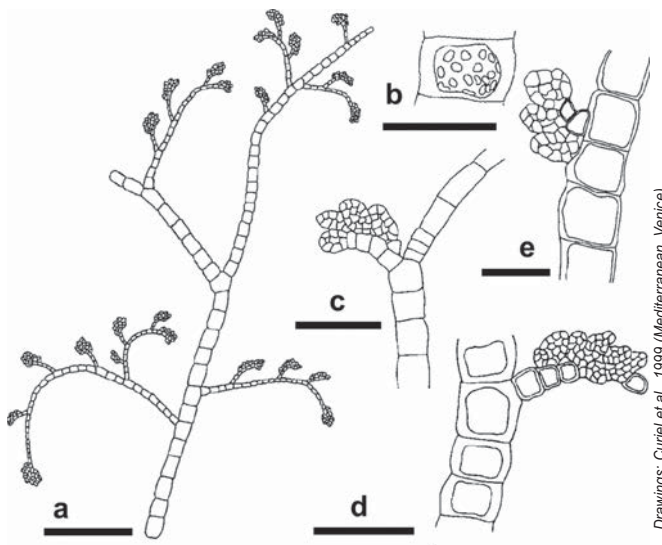


Botrytella parva (Takamatsu) H.S. Kim**Relevant synonym**

Sorocarpus parvus
Takamatsu

- a. Plant with plurilocular sporangia.
b. Cell with discoid plastids.
c-e. Phaeophycean hair and plurilocular sporangia.
Bars: a = 200 μm ;
b-d = 50 μm ;
e = 25 μm .



Drawings: Curiel et al., 1999 (Mediterranean, Venice).

Short description

Small (to 1.5 cm high), filamentous, uniseriate, branched; branches often curved; branchlets unilaterally arranged; phaeophycean hairs terminal on branchlets; growth diffuse; cells, to 40-50 μm in diameter, with numerous discoid plastids, each with a pyrenoid; plurilocular sporangia terminal or lateral on one or a few cells, densely grouped to form irregular sori scattered along the convex adaxial side of branchlets.

Distinguishing characteristics

The *Ectocarpus*-like filaments with irregular sori of plurilocular sporangia along the convex adaxial side of branchlets are distinctive; no confusion possible with native species.

Biology / Ecology / Habitat

Coastal lagoons; shallow subtidal communities; annual (spring).

Distribution

Worldwide: north-western Pacific, described from Japan (Takamatsu, 1936, as *Sorocarpus parvus*). **Mediterranean:** recorded first in 1996 from Italy, Venice (Curiel *et al.*, 1999, as *Sorocarpus* sp.); successively recorded from Turkey (Taşkin and Pedersen, 2012).

Mode of introduction

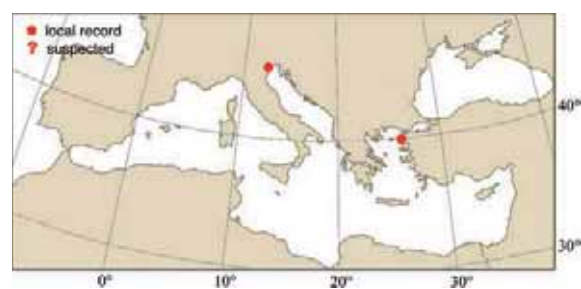
Accidental, probably transferred with shellfish imported for farming from the north-western Pacific (Japan).

Establishment

Uncertain, only known from the original record.

Importance to humans

None.



1st Mediterranean record
Venice Lagoon, Italy, 1999
[1996].

Key references

- Curiel D., Belleo G., Iuri M., Marzocchi M. and Scattolin M., 1999. First report of the genus *Sorocarpus* Pringsheim (Fucophyceae, Ectocarpaceae) in the Mediterranean. *Botanica Marina*, 42: 7-10.
- Takamatsu M., 1936. *Sorocarpus* aus der Matsushima-Bucht, (Prov. Miyagi, Japan), auch morphologisch untersucht. *Saito Ho-on Kai Museum Research Bulletin*, 8: 71-99.
- Taşkin E. and Pedersen P.M., 2012. First report of the alien brown alga *Botrytella parva* (Takamatsu) H.-S. Kim (Chordariaceae, Phaeophyceae) from the eastern Mediterranean Sea. *Botanica Marina*, 55: 467-471.