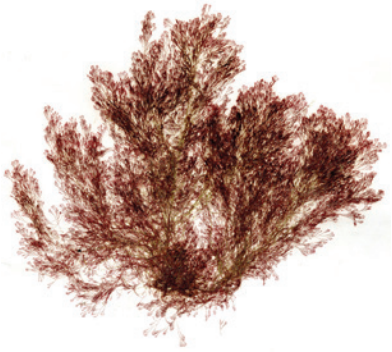
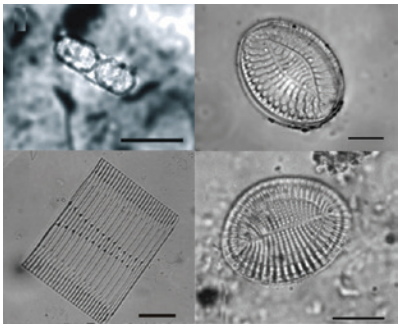
In this issue





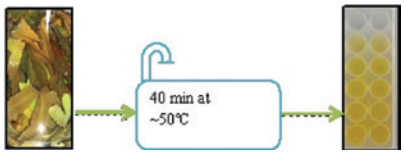
Tarha Westby, Geraldine Duignan, Thomas Smyth and Aodhmar Cadogan

Method validation and determination of total iodine in seaweed bathwater

DOI 10.1515/bot-2016-0029
Botanica Marina 2016; 59(4): 241–249

Research article: Bathing in hot baths containing *Fucus serratus* L. is a traditional holistic therapy. This study explores the concentration of iodine released into the bathwater. The iodine was measured using an adapted micromethod based on the Sandell-Kolthoff (SK) reaction.

Keywords: *Fucus serratus*; iodine; Sandell-Kolthoff (SK); seaweed bath.



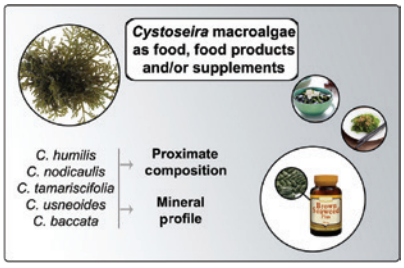
Catarina Vizetto-Duarte, Luísa Custódio, Luísa Barreira, Manuela Moreira da Silva, Amélia P. Rauter, Fernando Albericio and João Varela

Proximate biochemical composition and mineral content of edible species from the genus *Cystoseira* in Portugal

DOI 10.1515/bot-2016-0014
Botanica Marina 2016; 59(4): 251–257

Research article: *Cystoseira* are nutritious brown macroalgae, rich in lipids and microminerals, such as iron. They present a favorable Na/K ratio and a composition suitable for human consumption, which suggests that their intake could contribute to a well-balanced, healthy diet.

Keywords: brown algae; *Cystoseira*; minerals; nutritional profile; proximate composition.



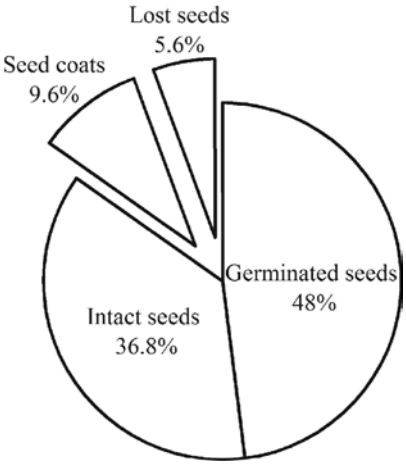
Jian-Sheng Zhao, Yan-Shan Liu, Pei-Dong Zhang, Wen-Tao Li and Chao Fang

Assessment of the establishment success of eelgrass *Zostera marina* (Alismatales: Zosteraceae) from seeds in a cost-effective seed protection method: implications for large-scale restoration

DOI 10.1515/bot-2016-0028
Botanica Marina 2016; 59(4): 259–266

Research article: Seed bags not only prevent seeds from settling within an unsuitable habitat, but they also prevent deep seed burial, predation, and losses; high percent retention of seeds will increase seeding effectiveness in large-scale restoration projects.

Keywords: cost; protective bag; restoration; seedling establishment; *Zostera marina*.



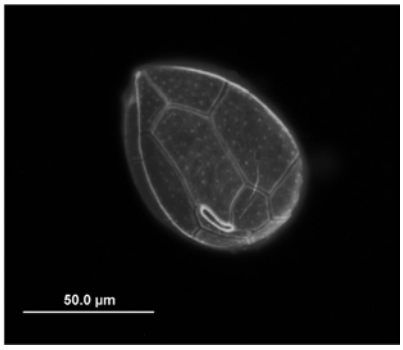
Olga Carnicer, María García-Altares, Karl B. Andree, Jorge Diogène and Margarita Fernández-Tejedor

First evidence of *Ostreopsis* cf. *ovata* in the eastern tropical Pacific Ocean, Ecuadorian coast

DOI 10.1515/bot-2016-0022
Botanica Marina 2016; 59(4): 267–274

Research article: Thirteen isolates of *Ostreopsis* cf. *ovata* from Ecuador were non-toxic and cluster in the Atlantic/Indian/Pacific clade. Information on toxicity and molecular biology of other *O.* cf. *ovata* strains, which contributes to understanding the species complex, is reviewed.

Keywords: genetic clade; *Ostreopsis* cf. *ovata*; phylogeny; taxonomy; toxin profile.



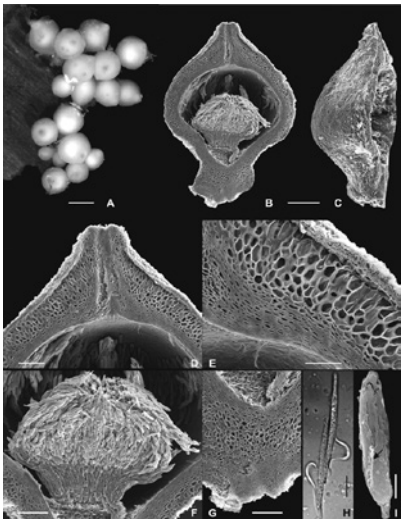
Joëlle Dupont and Enrico Schwabe

First evidence of the deep-sea fungus *Oceanitis scuticella* Kohlmeyer (Halosphaeriaceae, Ascomycota) from the Northern Hemisphere

DOI 10.1515/bot-2016-0030
Botanica Marina 2016; 59(4): 275–282

Research article: Morphological peculiarities and slight genetic variance of a recently discovered collection of *Oceanitis scuticella* from the North Pacific Ocean demonstrate the intraspecific variability of this wood-associated deep-sea fungus.

Keywords: deep sea; distribution; genetics; Halosphaeriaceae; morphology.



Gloria M. Parada, Florence Tellier and Enrique A. Martínez

Spore dispersal in the intertidal kelp *Lessonia spicata*: macrochallenges for the harvested *Lessonia* species complex at microscales of space and time

DOI 10.1515/bot-2016-0034
Botanica Marina 2016; 59(4): 283–289

Short communication: Dispersal of spores of *Lessonia spicata* was shown to be extremely limited in both space and time, and this seems relevant for understanding the high genetic diversity, slow recovery after massive mortality events, and cryptic speciation within this species complex.

Keywords: Laminariales; seaweeds; settlement; spore attachment.