

In this issue

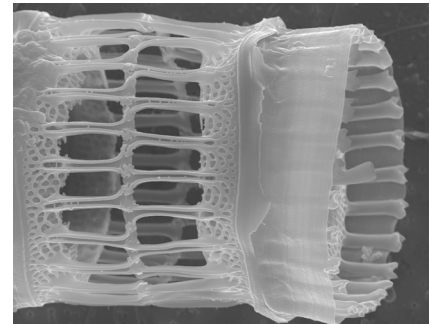
Olga G. Shevchenko, Anna A. Ponomareva, Maria A. Shulgina, Kirill O. Tevs and Tatiana Yu Orlova

***Skeletonema* species (Bacillariophyta) from the northwestern Sea of Japan: morphology, ecology, seasonal and long-term dynamics**

<https://doi.org/10.1515/bot-2021-0102>
Botanica Marina 2022; 65(3): 153–158

Research Article: Five *Skeletonema* species were identified from the northwestern Sea of Japan, two of which – *S. japonicum* and *S. dohrnii* – bloomed in the summer-autumn season; *S. costatum* and *S. menzelii* were confirmed for the first time in the study area

Keywords: bloom; dynamics; morphology; *Skeletonema*.

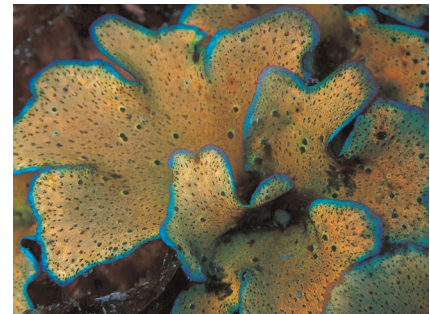


John M. Huisman and Gary W. Saunders
Three new species of *Asteromenia* (Hymenocladaceae, Rhodophyta) from Australia

<https://doi.org/10.1515/bot-2022-0007>
Botanica Marina 2022; 65(3): 159–175

Research Article: DNA analyses of topotype specimens of *Asteromenia examinans* (image) have revealed that specimens used in earlier studies were misidentified and represent an undescribed species, herein described as *A. juliannae*. Two additional new species, *A. crenulata* and *A. praetermissa* are described.

Keywords: *Asteromenia*; Australia; COI-5P; Hymenocladaceae; LSU; new species; *rbcL*; Rhodophyta.

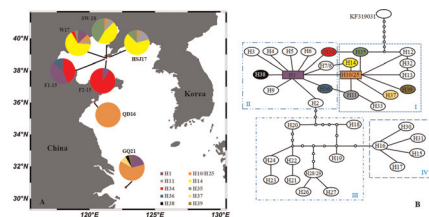


Tifeng Shan, Yuqian Li and Shaojun Pang
Genetic diversity of *Undaria pinnatifida* populations from China and their genetic relationship with those from Japan and Korea as revealed by mitochondrial and nuclear DNA sequences

<https://doi.org/10.1515/bot-2021-0100>
Botanica Marina 2022; 65(3): 177–184

Research Article: The genetic diversity of representative natural and farmed *Undaria pinnatifida* populations from China and their genetic relationship with those from Japan and Korea were clearly revealed using informative mitochondrial and nuclear DNA sequences.

Keywords: brown algae; genetic connectivity; genetic diversity; kelp; seaweed.

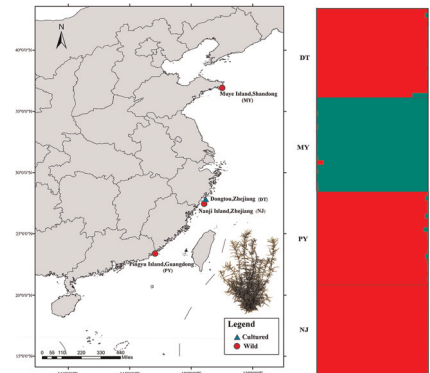


Rujie Jia, Xiaoping Lu, Wenjun Wang,
Zhourui Liang, Haiqin Yao and Baoxian Li
**Development and validation of
microsatellite markers for *Sargassum
fusiforme* based on transcriptomic data**

<https://doi.org/10.1515/bot-2021-0091>
Botanica Marina 2022; 65(3): 185–195

Research Article: Microsatellite markers developed based on the transcriptome data for four *Sargassum fusiforme* populations from China were used to analyze the genetic diversity of these populations. Four populations all have a high level of genetic diversity and clustered into two groups.

Keywords: microsatellite DNA;
population genetic analysis;
sargassum fusiforme;
transcriptome.



José Avila-Peltroche and Gunter Villena-Sarmiento
**Analysis of Peruvian seaweed exports
during the period 1995–2020 using trade
data**

<https://doi.org/10.1515/bot-2022-0002>
Botanica Marina 2022; 65(3): 197–207

Research Article: Peru relies on natural beds for seaweed exports. These exports have increased considerably since 2008 and are dominated by brown algal species (especially *Macrocystis pyrifera*), which are mainly destined for China, probably for the hydrocolloid industry.

Keywords: growthrate;
instability; prices; seaweed
exports.

