In this issue

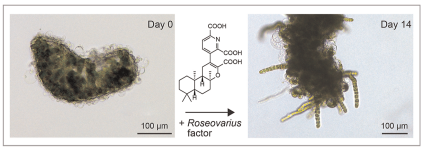
Hermann Holbl, Nico Dunger and Thomas Wichard

Bacteria-released algal growth and morphogenesis factors regenerate axenic calli derived from the macroalga *Ulva* (Chlorophyta) and change the fatty acid profile

https://doi.org/10.1515/bot-2024-0101
Botanica Marina 2025; 68(3): 193–200

Short Communication: Thallusin, along with *Roseovarius* factors, regenerates the axenic *Ulva* callus.

Keywords: bioactives; callus regeneration; chemical ecology; fatty acids; thallusin



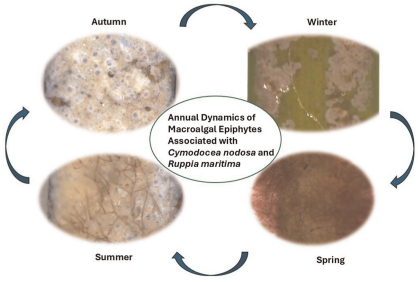
Vaia Myloneli, Georgios D. Dorovinis, Sarah Faulwetter, Ioannis-Dimosthenis S. Adamakis and Anastasia Tsirika

Annual cycle and ecological interactions of macroalgal epiphytes with *Cymodocea nodosa* and *Ruppia maritima* in Epanomi and Vravrona, Greece

https://doi.org/10.1515/bot-2024-0059
Botanica Marina 2025; 68(3): 201–220

Research Article: Seasonality of epiphytes on *Cymodocea nodosa* and *Ruppia maritima*: significant differences between sites and seasons indicating the role of local environmental conditions in the composition and structure of the epiphytic communities.

Keywords: ecosystem health; biodiversity; macroalgal communities; seagrass epiphytes; seasonal variations



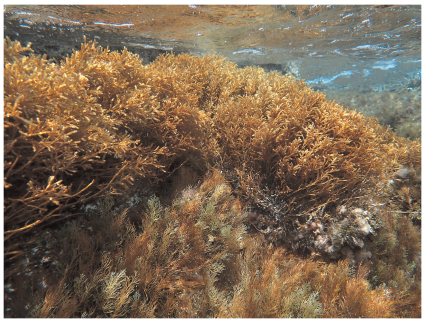
Giuliana Marletta, Andrea Lombardo and Donatella Serio

Past and present fucalean diversity in the island of Marettimo, Egadi Islands Marine Protected Area (Central Mediterranean, Italy)

https://doi.org/10.1515/bot-2024-0105
Botanica Marina 2025; 68(3): 221–233

Research Article: Census of the species belonging to *Cystoseira* complex, and *Sargassum* of Marettimo Island (Egadi- MPA, Sicily) to obtain an updated knowledge of the presence of these important macroalgae, about 20 years after the last study carried out in this area.

Keywords: biodiversity; Fucales; *Cystoseira*; *Ericaria*; *Gongolaria*; *Sargassum*



María Luisa Núñez Resendiz,
Kurt M. Dreckmann, Oscar E. Hernández,
Carlos Adán Palma-Ortíz and Abel Sentíes

Morphological and molecular characterization of *Chnoospora minima* (Scytosiphonaceae, Ectocarpales) along Mexican coasts, with the description of *C. ramosissima* sp. nov.

https://doi.org/10.1515/bot-2024-0067
Botanica Marina 2025; 68(3): 235–252

Research Article: Along the Atlantic and Pacific Mexican coasts there are two genetically different groups within *Chnoospora minima*, a worldwide distributed species, and one newly described as *C. ramosissima* sp. nov.

Keywords: *cox*3; disjunct distribution; diversity; *rbc*L

Tu Van Nguyen and Ga Hun Boo

Phylogeography of the marine benthic alga *Gracilaria salicornia* (Gracilariales, Rhodophyta) in Southeast Asia

https://doi.org/10.1515/bot-2024-0099
Botanica Marina 2025; 68(3): 253–262

Research Article: This study explores the phylogeography of *Gracilaria salicornia* in Southeast Asia, revealing high genetic diversity, three haplogroups, and Pleistocene expansion influenced by glacial sea-level changes and ocean currents, emphasizing its biogeographic significance in dynamic intertidal environments.

Keywords: agarophyte; COI-5P; population genetics; Pleistocene expansion; Vietnam

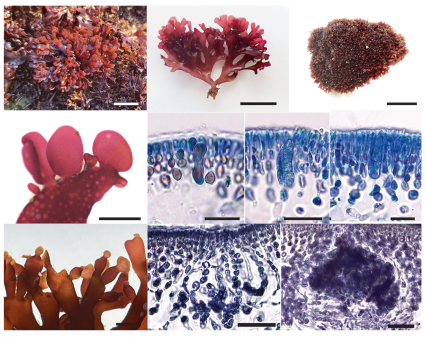
Mi Yeon Yang and Myung Sook Kim

Unveiling a novel species, *Pachymeniopsis shinchonai* sp. nov., from Korea, with reference to phylogenetic relationships within the Grateloupiaceae (Halymeniales, Rhodophyta)

https://doi.org/10.1515/bot-2024-0095
Botanica Marina 2025; 68(3): 263–274

Research Article: A novel species, *Pachymeniopsis shinchonai* sp. nov., has been unveiled in Korea, supported by its morphological distinctness and molecular evidence.

Keywords: Grateloupiaceae; morphology; *Pachymeniopsis*; phylogeny; *rbc*L



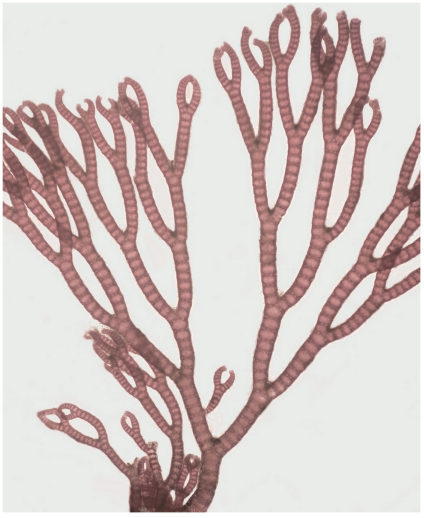
Jihan El-khattabi, Mustapha Hassoun, Ijlal Raissouni and Hassan Bouziane

First record of the red alga *Ceramium pallidum* (Ceramiales, Ceramiaceae) for the Mediterranean Sea

https://doi.org/10.1515/bot-2024-0096
Botanica Marina 2025; 68(3): 275–279

Short Communication: The red alga *Ceramium pallidum* is reported and described for the first time from the Mediterranean Sea. A key for all the Mediterranean taxa of non-spinose *Ceramium* is presented.

Keywords: *Ceramium pallidum*; Ceramiaceae; Mediterranean Sea; Morocco



Hanan Al-Adilah, Gagan Preet, Rishi Vachaspathy Astakala, Emmanuel T. Oluwabusola, Marcel Jaspars, Rainer Ebel, Puja Kumari and Frithjof Christian Küpper

Chemical profiling of seaweeds of the Arabian Gulf by liquid chromatography-mass spectrometry and *in-silico* screening against MPOX

https://doi.org/10.1515/bot-2024-0032
Botanica Marina 2025; 68(3): 281–302

Research Article: A metabolomics study of 12 seaweed species of the Gulf (such as the *Colpomenia sinuosa* and *Feldmannia indica* pictured here, at Qaruh Island, Kuwait) tentatively identified 22 metabolites. Selected metabolites were computationally explored for their MPOX-binding drug-development potential.

Keywords: drug design; Kuwait; molecular docking; pharmacophore; virtual screening