

## In this issue

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Ole G. Mouritsen, Prannie Rhatigan  
and José Lucas Pérez-Lloréns  
**The rise of seaweed gastronomy:  
phycogastronomy**

<https://doi.org/10.1515/bot-2018-0041>  
Botanica Marina 2019; 62(3): 195–209

**Review:** Regional seaweed cuisines around the world have recently been rediscovered and reinvigorated, and many chefs up to the top level have initiated, often in collaboration with scientists, a trend towards a new seaweed gastronomy (phycogastronomy).

**Keywords:** food culture; gastronomy; human food; phycogastronomy; seaweeds; world cuisine.

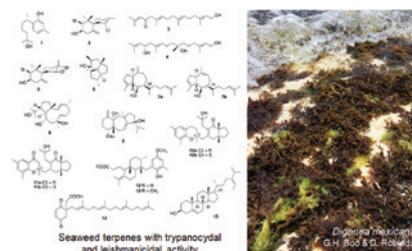


Yolanda Freile-Pelegrín and Deniz Tasdemir  
**Seaweeds to the rescue of forgotten  
diseases: a review**

<https://doi.org/10.1515/bot-2018-0071>  
Botanica Marina 2019; 62(3): 211–226

**Review:** Neglected tropical diseases (NTDs) affect 1.4 billion people in the poorest parts of the world. Here is an overview of the current status of algal natural products against NTDs.

**Keywords:** insect-borne infections; leishmaniasis; neglected tropical diseases; seaweed; trypanosomiasis.



Michael S. Stekoll  
**The seaweed resources of Alaska**

<https://doi.org/10.1515/bot-2018-0064>  
Botanica Marina 2019; 62(3): 227–235

**Review:** Alaska, with its extensive coastline, has over 500 species of seaweeds that are resources for commercial and subsistence utilization, including harvests of herring spawn-on-kelp, and future mariculture of many species for food, feed, biofuels, climate mitigation and ecosystem services.

**Keywords:** aquaculture; biodiversity; kelps; mariculture; spawn-on-kelp.



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Carolina Camus, María del Carmen Hernández-González and Alejandro H. Buschmann  
**The seaweed resources of Chile over the period 2006–2016: moving from gatherers to cultivators**

<https://doi.org/10.1515/bot-2018-0030>  
Botanica Marina 2019; 62(3): 237–247

**Review:** Chile relies on the exploitation of natural seaweed stands, which are exported abroad mainly as dry biomass. This tendency is changing towards a more sustainable exploitation and cultivation, localized seaweed industry, with new investments in local valorization of the resources.

**Keywords:** Chile; hydrocolloids; Phaeophyceae; Rhodophyta; seaweed landings; volumes.



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Antonella Petrocelli and Ester Cecere  
**A 20-year update on the state of seaweed resources in Italy**

<https://doi.org/10.1515/bot-2018-0072>  
Botanica Marina 2019; 62(3): 249–264

**Review:** The update of our knowledge of “seaweed resources” in Italy showed that seaweed species are well studied. However, local populations are rarely exploited, mostly because their production at an industrial level has never taken off.

**Keywords:** Italy; Mediterranean Sea; resources; seaweed.



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Siew-Moi Phang, Hui-Yin Yeong  
and Phaik-Eem Lim

**The seaweed resources of Malaysia**

<https://doi.org/10.1515/bot-2018-0067>  
Botanica Marina 2019; 62(3): 265–273

**Review:** Malaysia’s tropical waters support a high diversity of seaweeds comprising 459 taxa in 72 families.

**Keywords:** checklist; cultivation; industry; seaweed resources.



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Erika Vázquez-Delfín, Yolanda Freile-Pelegrín, Hugo Pliego-Cortés  
and Daniel Robledo

**Seaweed resources of Mexico: current knowledge and future perspectives**

<https://doi.org/10.1515/bot-2018-0070>  
Botanica Marina 2019; 62(3): 275–289

**Review:** Exploitation of seaweed resources in Mexico is currently based on a few species, however an increase in algal products demand and current research efforts suggests a high potential to produce biomass through aquaculture and diversify the species utilized.

**Keywords:** biodiversity; economic seaweed; Mexico; Phaeophyceae; Rhodophyta.

