

Seaweed

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Seaweed, or macroalgae, refers to thousands of species of macroscopic, multicellular, marine algae. The term includes some types of Rhodophyta (red), Phaeophyta (brown) and Chlorophyta (green) macroalgae. Seaweed species such as kelps provide essential nursery habitat for fisheries and other marine species and thus protect food sources; other species, such as planktonic algae, play a vital role in capturing carbon and producing at least 50% of Earth's oxygen.

Natural seaweed ecosystems are sometimes under threat from human activity. For example, mechanical dredging of kelp destroys the resource and dependent fisheries. Other forces also threaten some seaweed ecosystems; for example, a wasting disease in predators of purple urchins has led to an urchin population surge which has destroyed large...

Edible seaweed

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Edible seaweed, or sea vegetables, are seaweeds that can be eaten and used for culinary purposes. They typically contain high amounts of fiber. They may belong to one of several groups of multicellular algae: the red algae, green algae, and brown algae. Seaweeds are also harvested or cultivated for the extraction of polysaccharides such as alginate, agar and carrageenan, gelatinous substances collectively known as hydrocolloids or phycocolloids. Hydrocolloids have attained commercial significance, especially in food production as food additives. The food industry exploits the gelling, water-retention, emulsifying and other physical properties of these hydrocolloids.

Seaweed as food is particularly popular in East Asia.

Most edible seaweeds are marine algae, a group containing few toxic (though...

Seaweed fertiliser

Seaweed fertiliser is organic fertilizer made from seaweed that is used in agriculture to increase soil fertility and plant growth. The use of seaweed

Seaweed fertiliser is organic fertilizer made from seaweed that is used in agriculture to increase soil fertility and plant growth. The use of seaweed fertilizer dates back to antiquity and has a broad array of benefits for the soils.

Seaweed fertilizer can be applied in a number of different forms, including refined liquid extracts and dried, pulverized organic material. Through its composition of various bioactive molecules, seaweed functions as a strong soil conditioner, bio-remediator, and biological pest control, with each seaweed phylum offering various benefits to soil and crop health. These benefits can include increased tolerance to abiotic stressors, improved soil texture and water retention, and reduced occurrence of diseases.

On a broader socio-ecological scale, seaweed aquaculture...

Seaweed (band)

Seaweed was an American alternative rock band from Tacoma, Washington, who were active throughout the 1990s. Their style of music was a combination of

Seaweed was an American alternative rock band from Tacoma, Washington, who were active throughout the 1990s. Their style of music was a combination of different rock subgenres, including post-hardcore and punk rock. They were signed to various notable record labels, such as Sub Pop Records, Merge Records, and Hollywood Records. The band released six albums between 1989 and 1999, followed by a hiatus that lasted until 2007. They then disbanded a second time in 2014.

Seaweed farming

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Seaweed farming or kelp farming is the practice of cultivating and harvesting seaweed. In its simplest form farmers gather from natural beds, while at the other extreme farmers fully control the crop's life cycle.

The seven most cultivated taxa are *Eucheuma* spp., *Kappaphycus alvarezii*, *Gracilaria* spp., *Saccharina japonica*, *Undaria pinnatifida*, *Pyropia* spp., and *Sargassum fusiforme*. *Eucheuma* and *K. alvarezii* are attractive for carrageenan (a gelling agent); *Gracilaria* is farmed for agar; the rest are eaten after limited processing. Seaweeds are different from mangroves and seagrasses, as they are photosynthetic algal organisms and are non-flowering.

The largest seaweed-producing countries as of 2022 are China (58.62%) and Indonesia (28.6%); followed by South Korea (5.09%) and the Philippines...

Pacific seaweed pipefish

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The Pacific seaweed pipefish (*Syngnathus schlegeli*) is a species of pipefish, which is a marine, oceanic demersal fish, common in the beds of *Zostera* sea grass. The pipefish is well known for being one of the most famous and expensive materials of Traditional Chinese medicine, as it possesses a special medicinal composition. The fish is a member of the Syngnathidae family, making them relatives with seahorses and seadragons. The Syngnathidae family is a large group with almost 300 species of marine, brackish, and freshwater fish.

Seaweed collecting

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Seaweed Rebellion

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The Seaweed Rebellion is an informal marine environmentalist activist movement in the United States. Deriving its name from an analogy with grassroots democracy, the movement comprises disparate

organizations with the common aim of protecting the oceans, seas and coasts of the United States.

The Blue Frontier Campaign is an umbrella organization aiming to coordinate these groups into a common voice to achieve effective lobbying of federal and state policy makers.

The name was first applied to a 1947 court case between the United States and California over who owned the sea bed, and the associated oil deposits, off the state coast but is now heard rarely in that context.

Miyeok-guk

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Wrack (seaweed)

common names of several species of seaweed in the family Fucaceae. It may also refer more generally to any seaweeds or seagrasses that wash up on beaches

Wrack is part of the common names of several species of seaweed in the family Fucaceae. It may also refer more generally to any seaweeds or seagrasses that wash up on beaches and may accumulate in the wrack zone.

It consists largely of species of *Fucus* — brown seaweeds with flat branched ribbon-like fronds, characterized in *F. serratus* by a saw-toothed margin and in *F. vesiculosus*, another common species, by bearing air-bladders. Another component of sea wrack may be seagrasses such as *Zostera marina* a marine flowering plant with bright green long narrow grass-like leaves. *Posidonia australis*, which occurs sub-tidally on the southern coasts of Australia, sheds its older ribbon-like leaf blades in winter, resulting in thick accumulations along more sheltered shorelines.

"Bladder wrack", *Fucus*...

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