

Algal species with description

Botryococcus braunii

Class: Trebouxiophyceae

Family: Botryococcaceae

B. braunii is a green, pyramid-shaped planktonic microalga potentially great importance in the field of biotechnology. Biomass may produces hydrocarbon oils at 25–75% of its dry weight and is a promising source of biofuel production on commercial scale.



Algal species with description

Spirulina platensis

Class: **Cyanophyceae**

Family: **Microcoleaceae**

S. platensis is a multicellular blue-green microalga (prokaryote) (length: 50–500 μm , width: 3–4 μm) showing strong medicinal properties as antioxidant, immunomodulatory, and anti-inflammatory and antiviral activity. Nowadays is used to treat Human cytomegalo viruses, Herpes simplex and measles virus by blocking their entry due to the presence of sulphur containing polysaccharide.

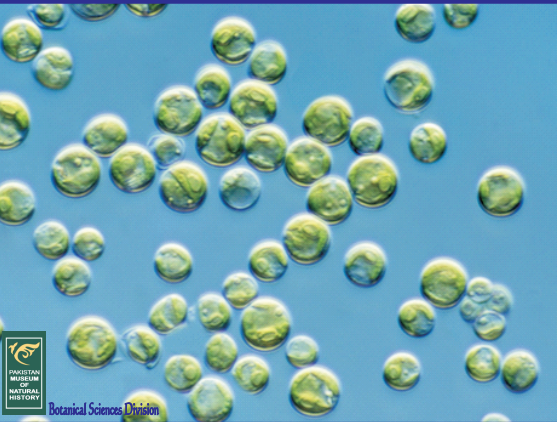
Algal species with description

Chlorella vulgaris

Class: Trebouxiophyceae

Family: Chlorellaceae

It is Single-celled green algae. The cells are spherical in shape, about 2 to 10 μm in diameter, and are without flagella. This species yields highly important antibiotic named as chlorelin that inhibits bacterial growth and destroys pathogenic bacteria, while supporting the growth and proliferation of a friendly bacteria.



Algal species with description



Laminaria sp

Class: Pheophyceae

Family: Laminariaceae

It is genus of about 30 species of brown algae. Laminaria contains iodine, an element that the body needs to make thyroid hormones. It is also a rich source of iron and potassium. Many people use it as medicine to treat deadly disease like cancer. Laminaria is used in the cervix for ending a pregnancy (abortion) or for childbirth.

Algal species with description

Sargassum thunbergii

Class: Phaeophyceae

Family: Sargassaceae

It is brown alga is commercially important seaweed with excellent properties. *S. thunbergii* is the best natural food for the sea cucumber *Apostichopus japonicus* (Selenka) in China because of its nutritional value.



Algal species with description

Bryopsis sp

Class: **Ulvophyceae**

Family: **Bryopsidaceae**

It is a genus of marine green algae. From *Bryopsis sp. depsipetides* Kahalalide A and F have been extracted which are shown to be effective against *Mycobacterium tuberculosis* (tuberculosis disease).

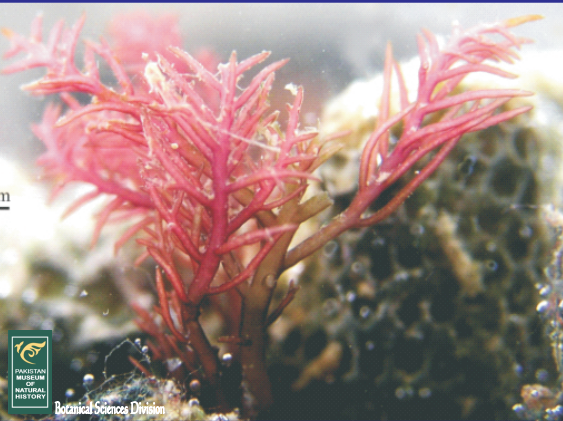
Algal species with description

Chondria armata

Class: Florideophyceae

Family: Rhodomelaceae

It is a red alga. It is a source of domoic acid derivatives which helps in lowering blood pressure and used as anthelmintic agents for centuries.



Algal species with description

Fucus vesiculosus

Class: Pheophyceae

Family: Fucaceae

It is a type of brown seaweed. People use the whole plant to make medicine. Anticoagulant sulphated fucans are also derived from *F. vesiculosus*.



Algal species with description

Eisenia bicyclis

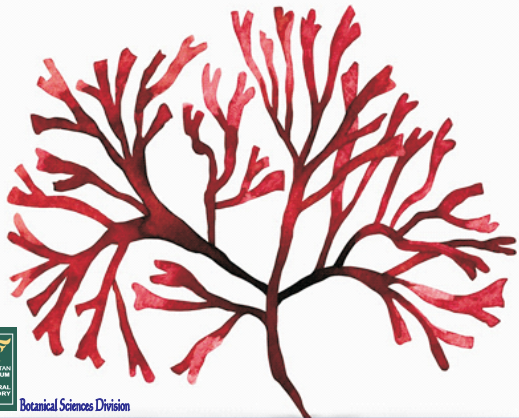
Class: Phaeophyceae

Family: Lessoniaceae

It is marine-macroscopic brown algae well-known for its antioxidant properties. Its biomass yields phylopheophytin which is used as antioxidant.



Algal species with description



Chondrus crispus

Class: Florideophyceae

Family: Gigartinaceae

It is a species of marine red algae commonly called as Irish moss or carrageen moss. *C. crispus* is an industrial source of carrageenan commonly used as a thickener and stabilizer in milk products, such as ice cream and processed foods.