

Inter-relationships of flagellata and primitive algae.

Wesley - Primitive Algae and the Flagellata. An Account of modern Work bearing on the Evolution of the Algae



Description: -

- Algae.

Flagellata.inter-relationships of flagellata and primitive algae.

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The inter

They are spoken of as spermatia. In all other cases, zoospores are uninucleate bodies. Such aberrant forms are to be regarded in the same light as Cuscuta and Orobanchaceae, for example, among Phanerogams.

Phytoplankton of the North Sea and its dynamics: A review

In Fucaceae, Dictyotaceae, and in Laminariaceae and Sphacelariaceae, among Phaeosporeae, the thallus consists of a true parenchyma; elsewhere it consists of free filaments, or filaments so compacted together, as in Cutleriaceae and Desmarestiaceae, as to form a false parenchyma. With regard to true reproduction, which is characterized by the formation of special cells, the group Eucolorophyceae is characterized by the production of zoospores Gr. Each euglenoid cell bears several chromatophores which may be discoid, band-shaped, or stellate.

Algae

When carbon-assimilation is active, starch-granules crowd upon the surface of the pyrenoid and completely obscure it from view. A more important consideration is the occasional absence of this colour in species, or groups of species, with, in other respects, algal affinities.

Taxonomy and phylogeny

It is known that zoogametes, which usually conjugate, may, when conjugation fails, germinate directly Sphaerella. In these cases, however, the portions of the hairs behind the growing region become agglutinated together into a solid cylindrical pseudo-parenchymatous axis.

Flagellate

They undoubtedly represent the lowest grade of algal life, and their distribution rivals that of the Green Algae. Fucus vesiculosus, discharge of eight oospheres from oogonium.

THE INTER-RELATIONSHIPS OF PROTISTA AND PRIMITIVE FUNGI, New Phytologist

Few species lack chromatophores and are colourless.

Phytoplankton of the North Sea and its dynamics: A review

In *Sphaeroplea* it is only at this stage that zoospores are formed at all; but in most cases, such as *Oedogonium*, *Ulothrix*, *Coleochaete*, similar zoospores are produced again and again upon the thallus, and the product of the oospore may be regarded as merely a first brood of a series.

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