Phytoplankton of the Bay Quinte. Pigment extraction as method of quantiative analysis of phytoplankton.

- - Seasonal influence of water quality on the assemblage and diversity of phytoplankton along Dubai Creek, Arabian Gulf

Description: -
-Phytoplankton of the Bay Quinte. Pigment extraction as method of quantiative analysis of phytoplankton.
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Notes: Thesis (M.A.) -- University of Toronto, 1947.
This edition was published in 1947

Tags: #Seasonal #influence #of #water #quality #on #the #assemblage #and #diversity #of #phytoplankton #along #Dubai #Creek, #Arabian #Gulf

Phytoplankton ecology in the Bay of Quinte, Lake Ontario: Spatial distribution, dynamics and heterogeneity

Armbrust EV, Berges JA, Bowler C, Green BR, Martinez D, Putnam NH, et al. Canonical Correspondence Analysis revealed that Bacillariophyceae have a positive strong relationship with different environment variables between stations Abra, Hyatt Regency and Creek mouth, indicating influence of high flushing of the coastal waters on phytoplankton species and diversity. For the 3 dinoflagellates, extraction-based estimates were lower than flow cytometric estimates, indicating 75.

Development and application of a molecular assay to detect and monitor geosmin

The aim is to obtain a better resolution for strain-characteristic pigments and a fast pigment determination shared by a short number of strains within one or several species.

Phytoplankton ecology in the Bay of Quinte, Lake Ontario: Spatial distribution, dynamics and heterogeneity

According to and , 24 algae strains could be identified according to ancillary pigment. In the present study, succession of different phytoplankton groups through the Austral seasons was evident. Lang I, Hodac L, Friedl T, Feussner I.

Spatial and environmental factors contributing to phytoplankton biogeography and biodiversity in mountain ponds across a large geographic area

With increasing trophic status, the relative influence of spatial factors decreased, while that of environmental factors increased.

Spatial and environmental factors contributing to phytoplankton biogeography and biodiversity in mountain ponds across a large geographic area

Hansen ME, Smedsgaard J, Larsen TO.

Spatial and environmental factors contributing to phytoplankton biogeography and biodiversity in mountain ponds across a large geographic area

Interestingly when looking at the summer, there was some variation between the two years sampled. Hyphenated analytical tools like HPLC-UV DAD-MS n, which have a dereplication strategy, could become a future means of expanding microalgal chemotaxonomy beyond strict pigment detection and taking into account more secondary metabolites. Besides, taxa distribution also showed a seasonal variation, with Bacillariophyta as the dominant class in summer, and Prymnesiophyceae and Cryptophyceae in the other seasons.

A method for the determination of phytoplankton chlorophyll and phaeophytin by fluorescence

Cambridge: Cambridge University Press; 2011. Relative effects of nitrogen or phosphorus depletion and light intensity on the pigmentation, chemical composition, and volume of Pyrenomonas salina Cryptophyceae.

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