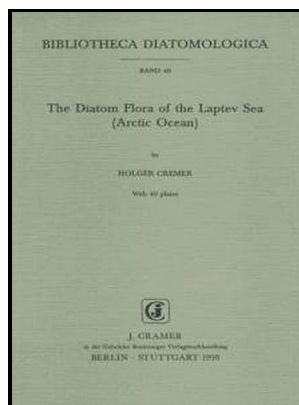


Diatom flora of the Laptev Sea (Arctic Ocean) - by Holger Cremer.

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Description: -

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Bibliotheca Diatomologica -- Bd. 40 diatom flora of the Laptev Sea (Arctic Ocean) - by Holger Cremer.

Notes: Includes bibliographical references (p. 82-88).

This edition was published in 1998



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Tags: #Spatial #Distribution #of #Diatom #Surface #Sediment #Assemblages #on #the #Laptev #Sea #Shelf #(Russian #Arctic)

The Diatom Flora of the Laptev Sea (Arctic Ocean) von Holger Cremer

In this area diatom assemblages are dominated by marine-? In surface sediments, the most abundant species are typical marine planktonic diatoms, such as *Chaetoceros* spp.

Diatom assemblages in Arctic sea ice—indicator for ice drift pathways

The most diverse genera are *Navicula* 72 taxa, *Pinnularia* 27 taxa, *Nitzschia* 21 taxa, *Cymbella* 20 taxa, *Eunotia* 20 taxa, *Fragilaria* 20 taxa and *Achnanthes* 16 taxa.

The diatom flora of the Laptev Sea (Arctic Ocean) (1998 edition)

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Spatial Distribution of Diatom Surface Sediment Assemblages on the Laptev Sea Shelf (Russian Arctic)

These diatoms are transported into the Laptev Sea by five large streams. A total of 345 diatom taxa from 56 genera could be identified with freshwater diatoms contributing up to 62% of the total taxa number. The Laptev Sea is one of the most important epicontinental seas of the Arctic, marked by large freshwater inputs.

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A total of 345 taxa from 56 genera were identified of which 78 taxa have their biogeographic distribution in polar and subpolar waters exclusively.

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Approximately 60% of the diatoms found in the Laptev Sea are freshwater species which originally occur in lakes and rivers of the Siberian hinterland. In surface sediments, the most abundant species are typical marine planktonic diatoms, such as *Chaetoceros* spp.

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