

Metadata Details

Title

Primary productivity and Bio-optical studies for understanding dynamics Kongsfjorden and Krossfjorden ford during summer.

Science Keywords

Category	Oceans
Topic	Marine Biology
Expedition Year	2016-2017
ISO Topic	Meteorology

Summary

Abstract

The objectives of the proposed research plan are to: Study the effect of prevailing environmental conditions on phytoplankton physiological parameters such as Fv/Fm and PSII and establish a link (if any) between their variations to PP variability using FRRF technique To establish, the hypothesis, that environmental variability and thus phytoplankton productivity in the surface ocean is better expressed by the absorption properties of the phytoplankton rather than their quantity. Further, verify the role of phytoplankton pigment package effect in the study area

Purpose

The objectives of the proposed research plan are to: Study the effect of prevailing environmental conditions on phytoplankton physiological parameters such as Fv/Fm and PSII and establish a link (if any) between their variations to PP variability using FRRF technique To establish, the hypothesis, that environmental variability and thus phytoplankton productivity in the surface ocean is better expressed by the absorption properties of the phytoplankton rather than their quantity. Further, verify the role of phytoplankton pigment package effect in the study area

Data Center