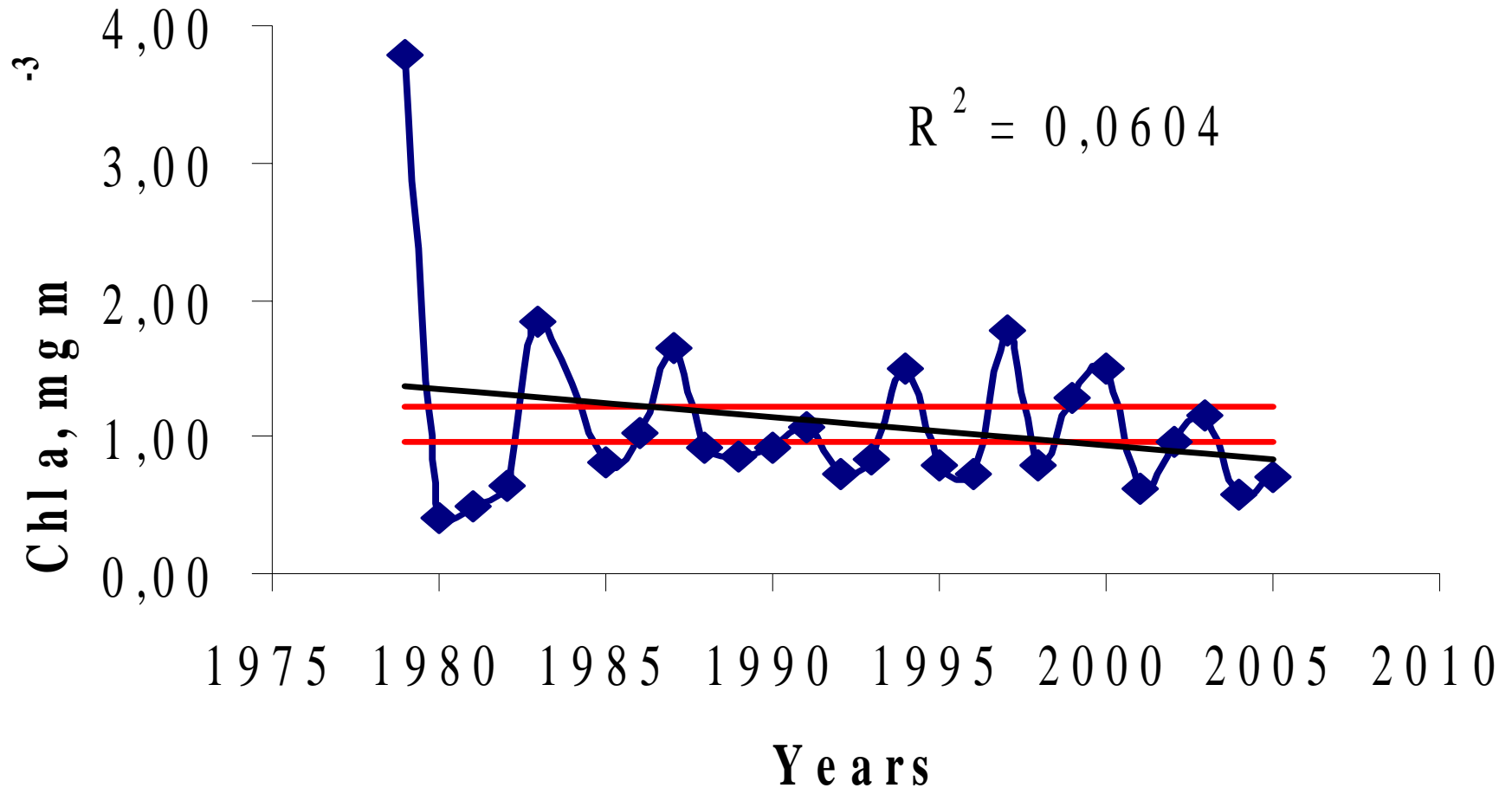


Izmest'eva Lyubov R.

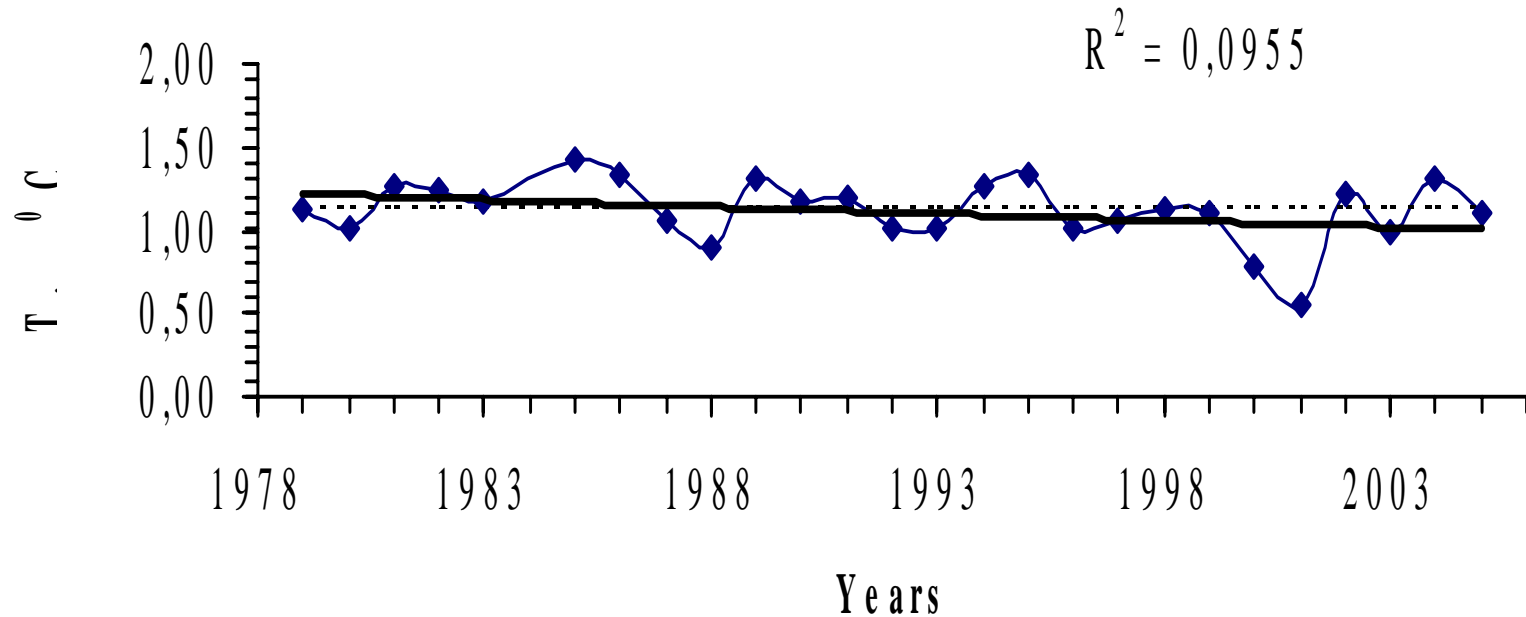
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University

Introduction into analysis of autotrophic chain of
Lake Baikal

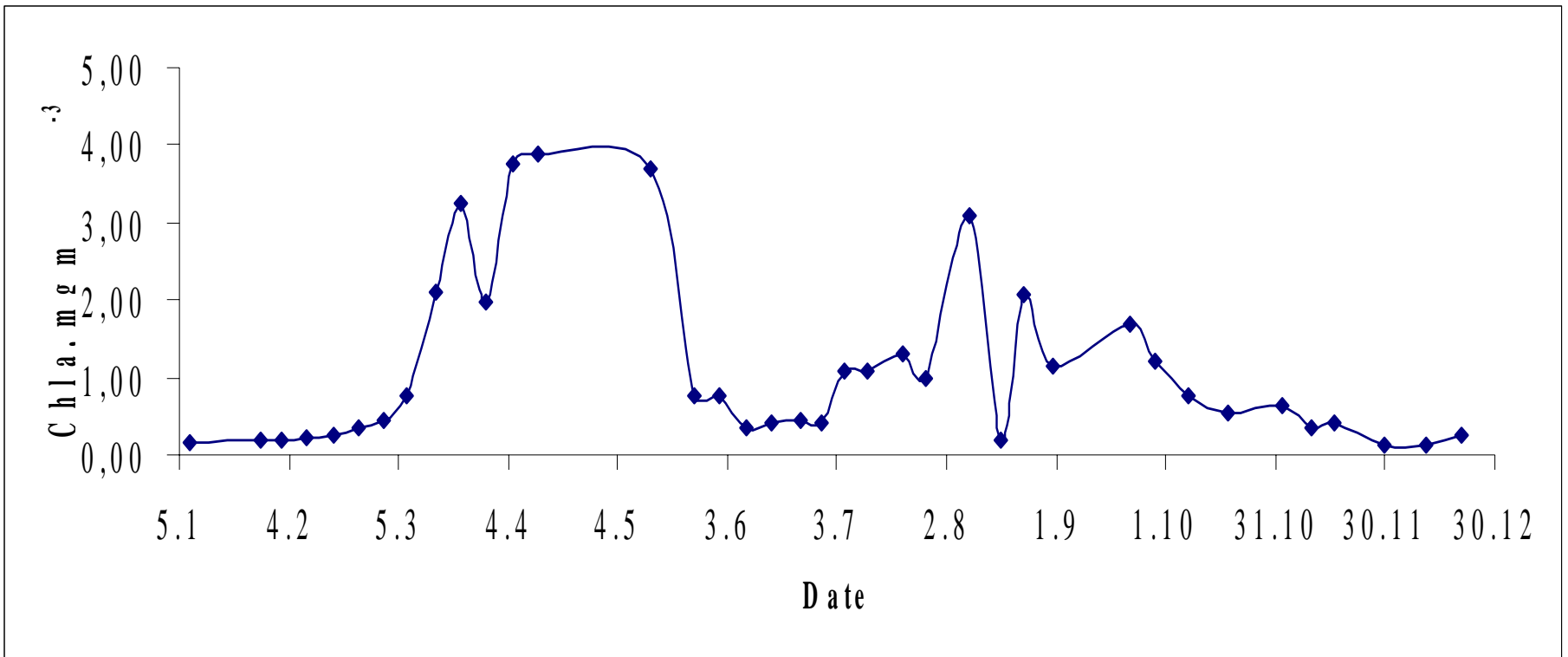
Long-term changes of chlorophyll *a* concentrations in the period of undirect temperature stratification (average values for layer 0-50 m, red lines – standard deviation)



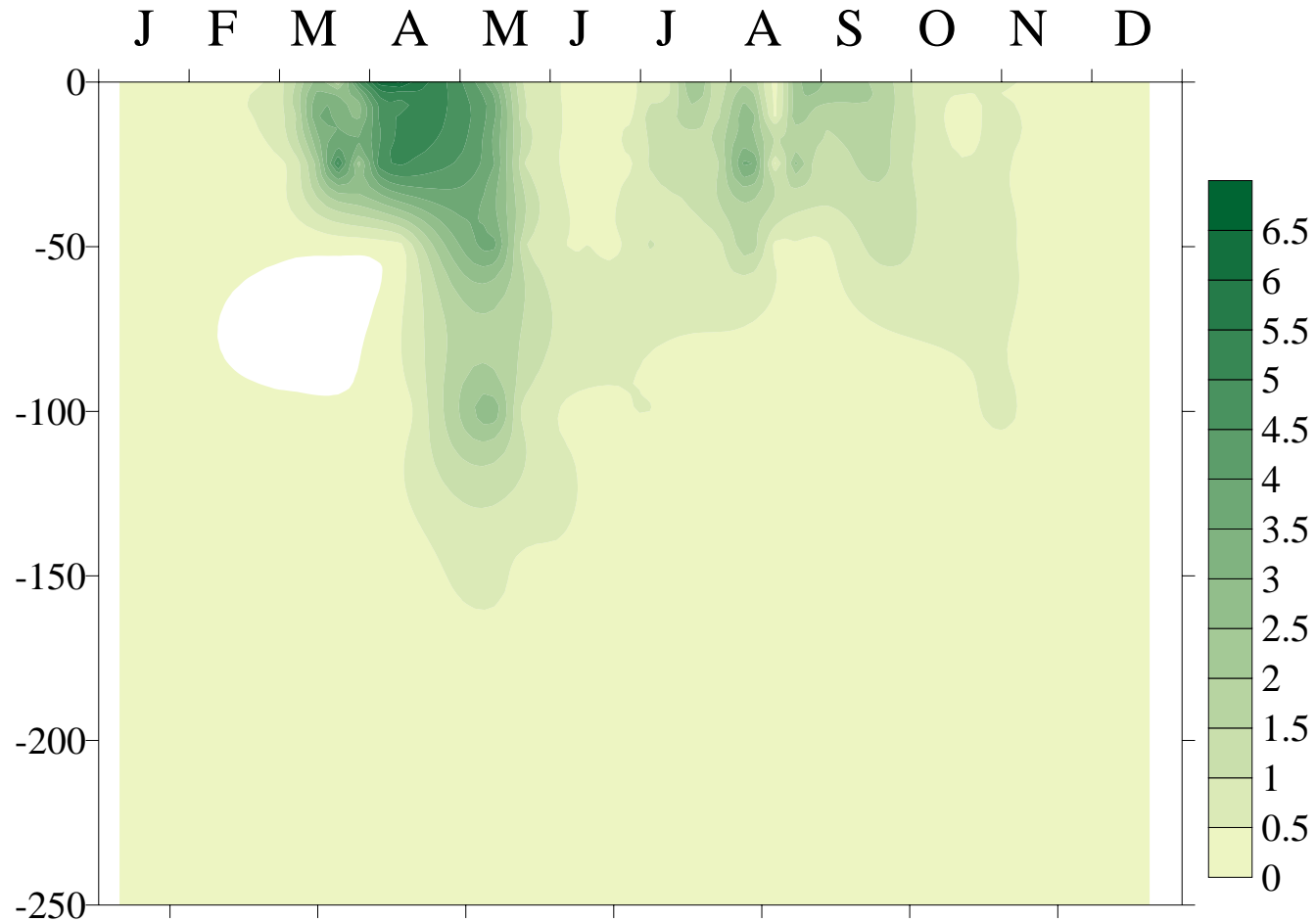
Long-term changes of temperature in the period of undirect temperature stratification (average values for layer 0-50 m)



Seasonal dynamics of chlorophyll *a* in the year with under ice bloom, 2000 (average values for layer 0-50 m)



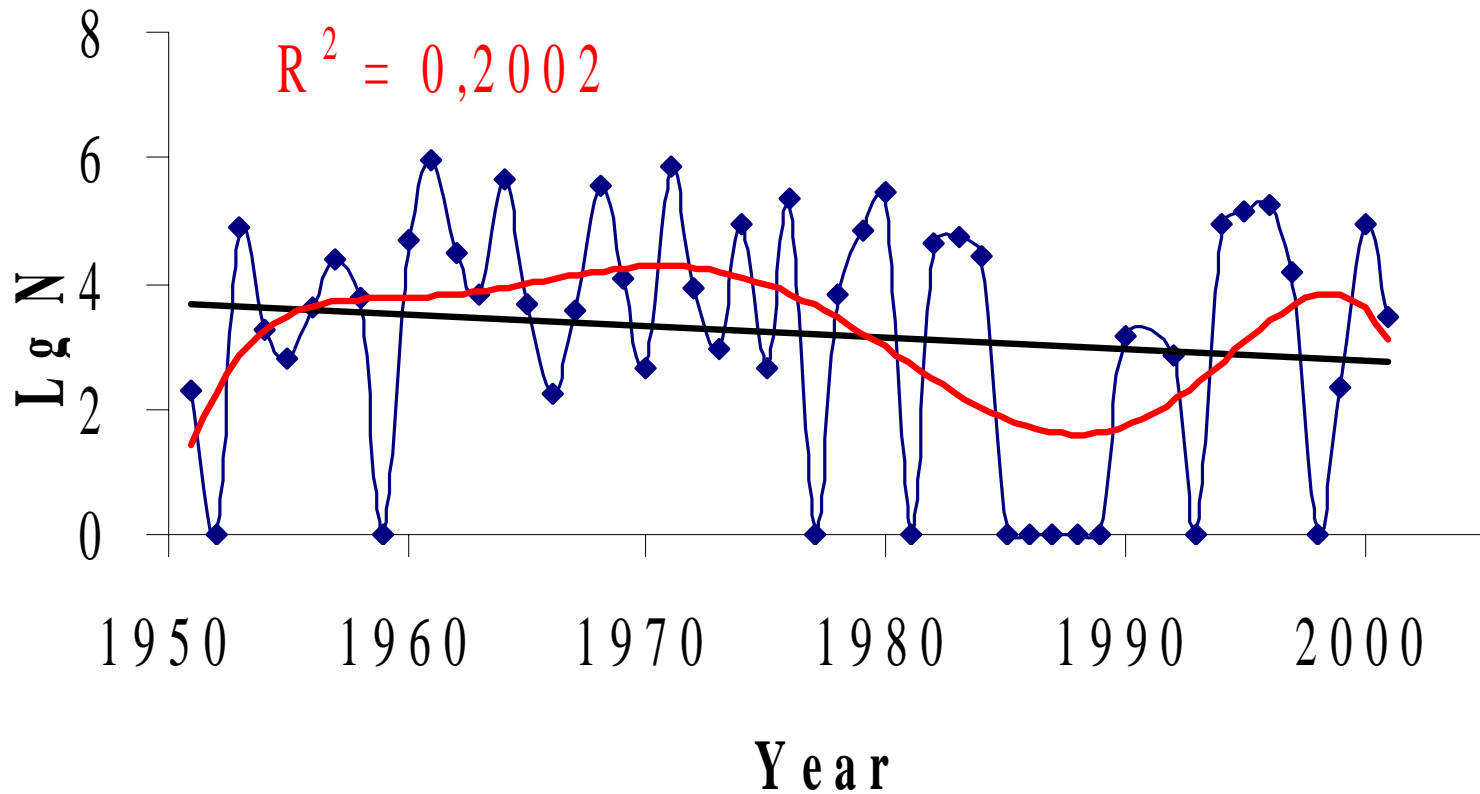
Distribution of chlorophyll *a* in 2000



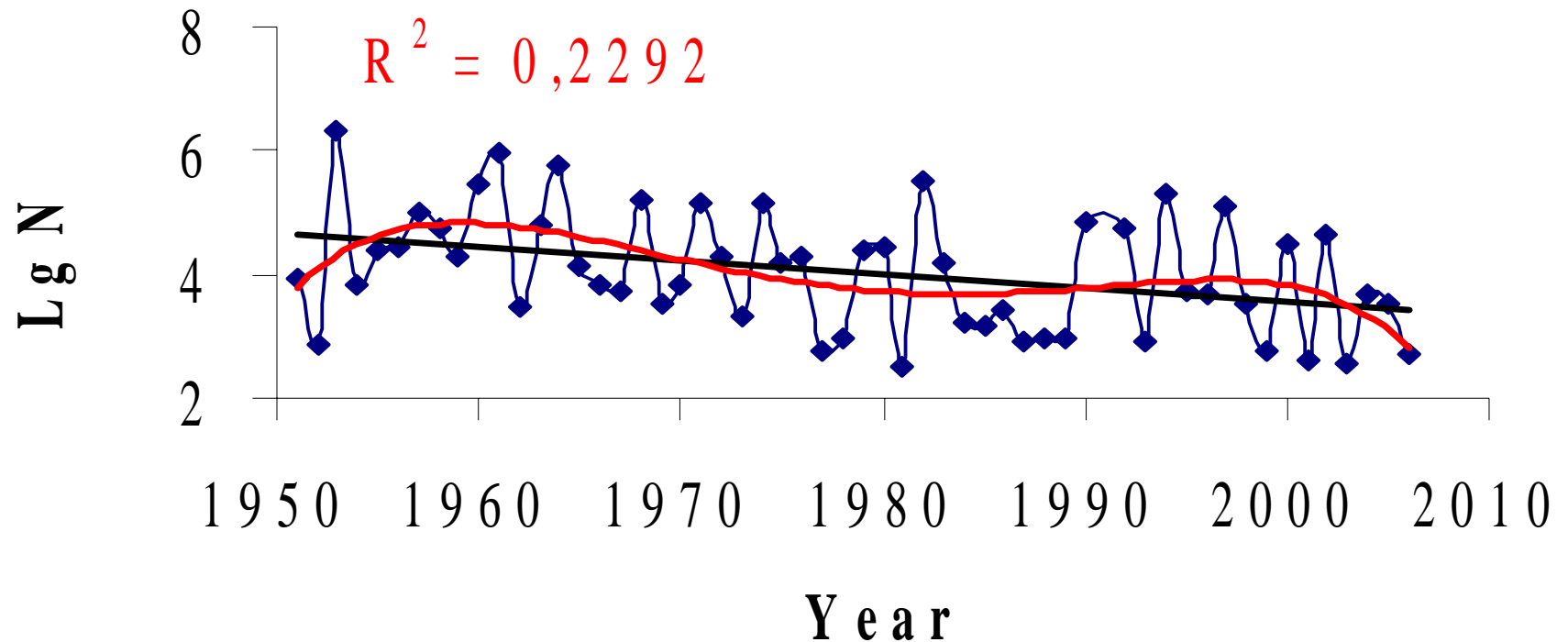
Under ice (early spring) complex

- *Aulacoseira baicalensis* (Bacillariophyta, endemic);
- *Aulacoseira skvortzowii* (*islandica*) (Bacillariophyta, endemic);
- *Stephanodiscus meyerii* (Bacillariophyta, endemic);
- *Gymnodinium baicalense* (Dinophyta, endemic)
- *Synedra acus* (Bacillariophyta).

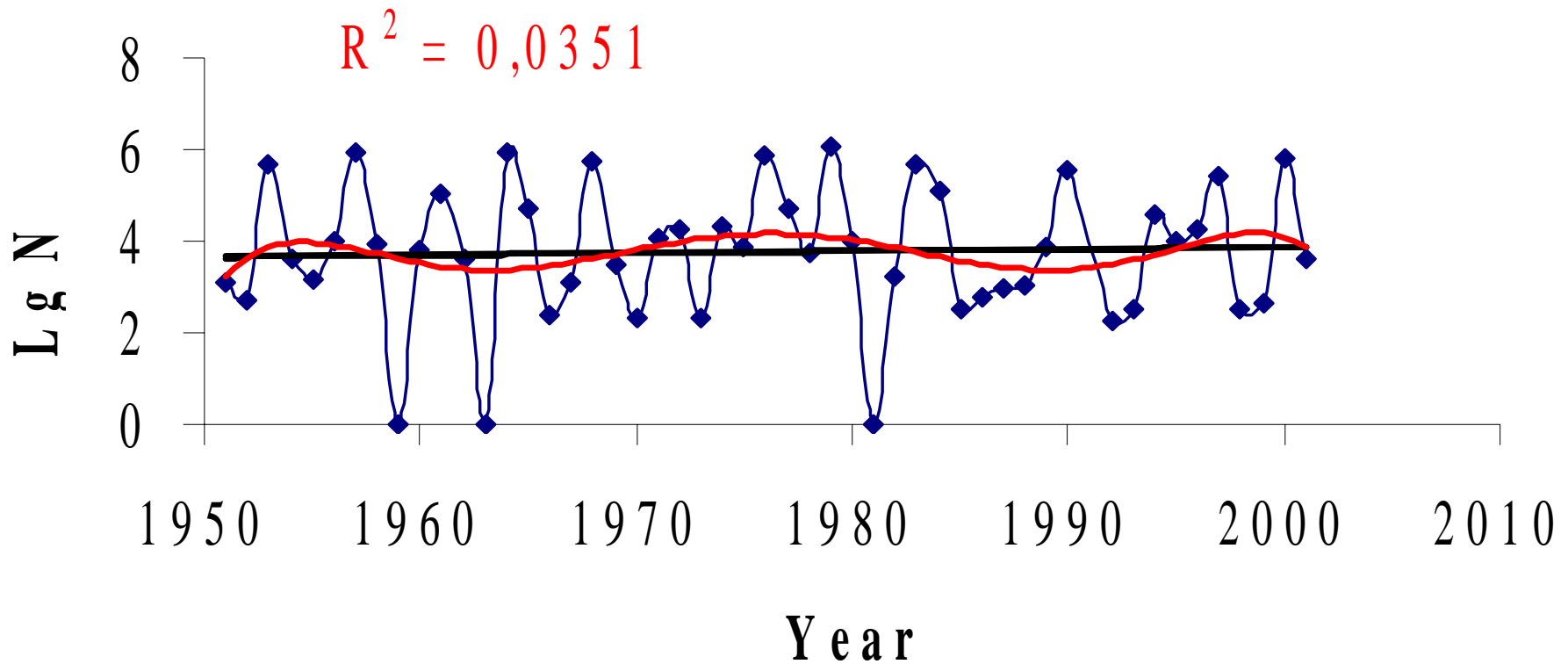
Long-term changes of *Stephanodiscus meyerii* (maximum value per year)



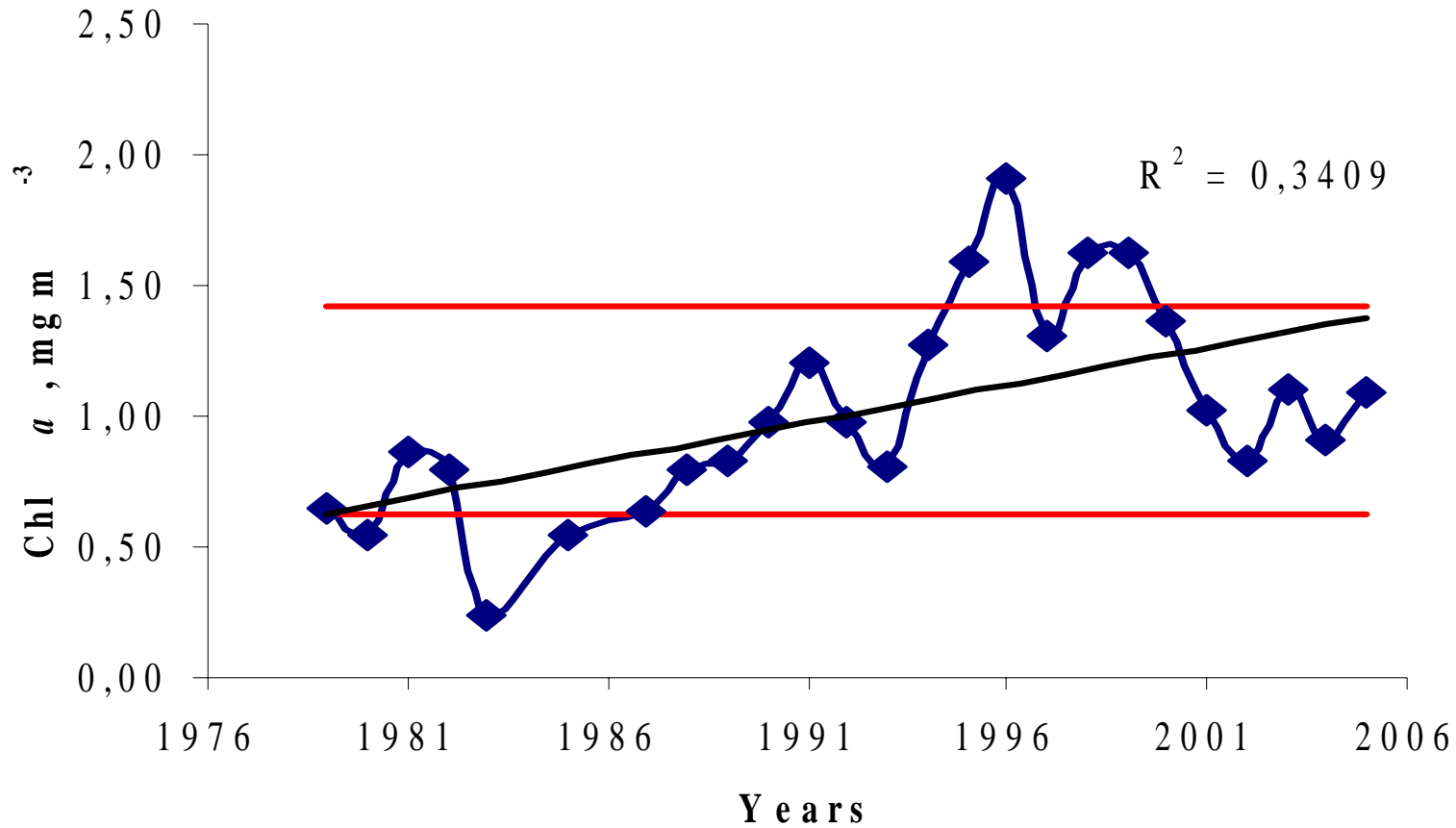
Long-term changes of *Aulacoseira baicalensis* (maximum value per year)



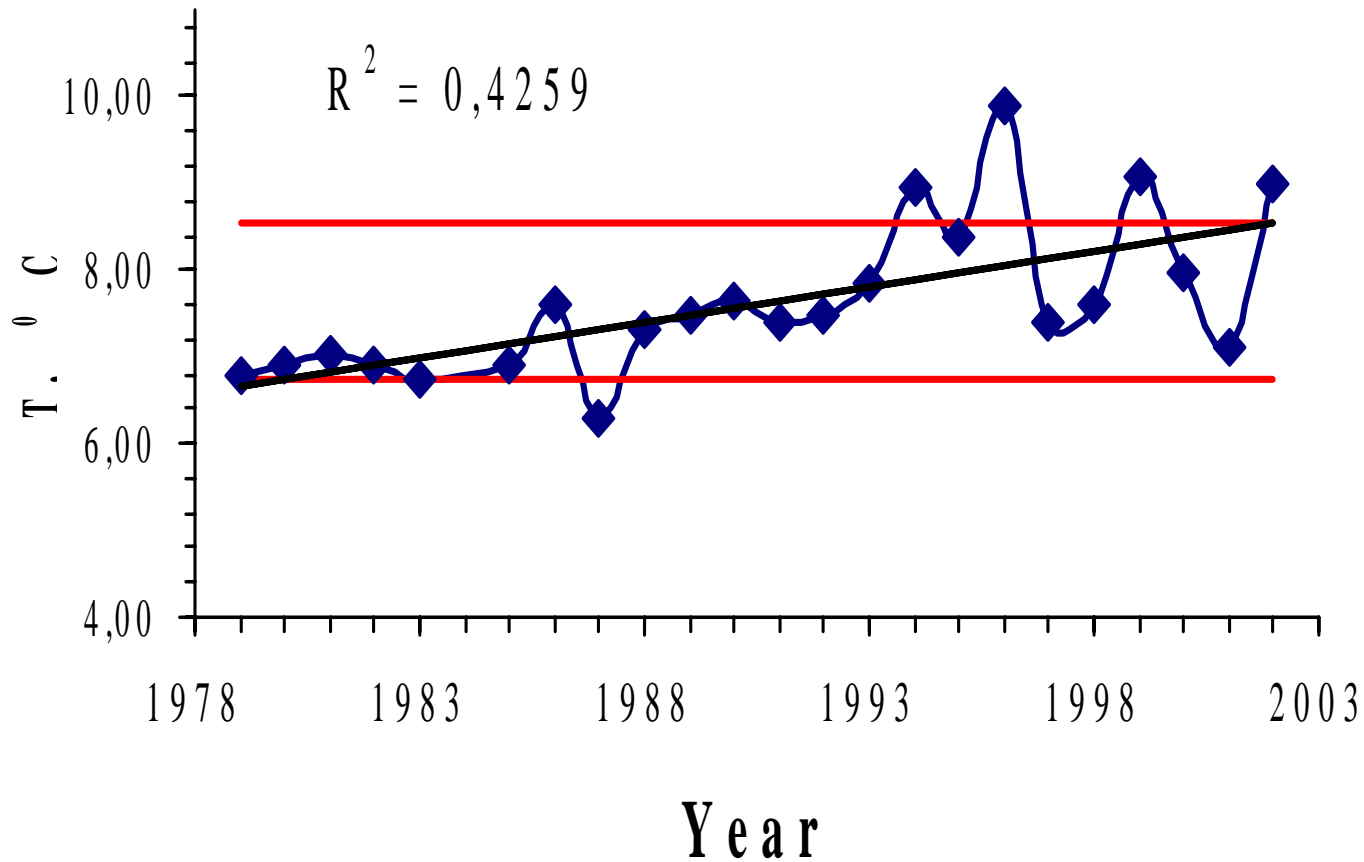
Long-term changes of *Aulacoseira skvortzowii* (maximum value per year)



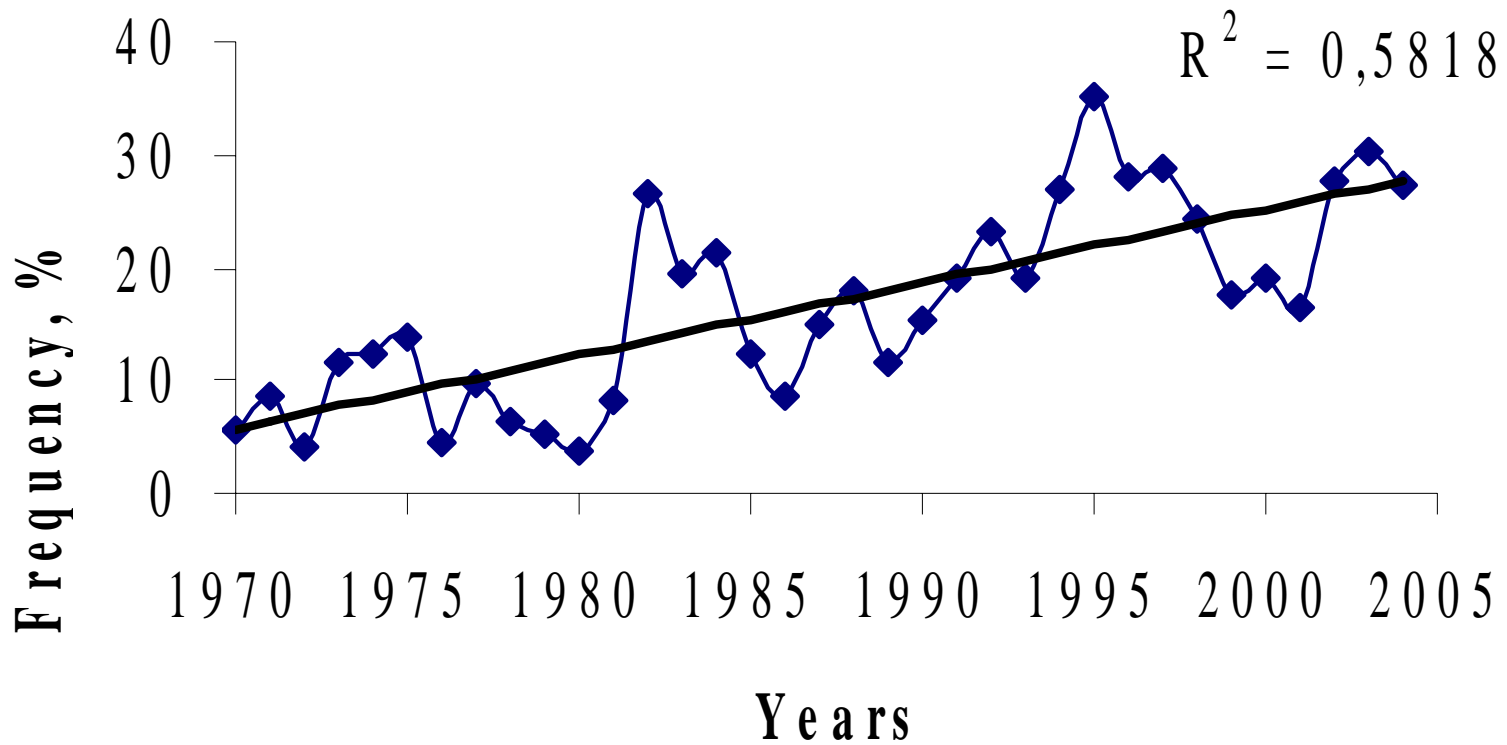
Long-term changes of chlorophyll *a* concentrations in the period of direct temperature stratification (average values for layer 0-50 m, red lines – standard deviation)



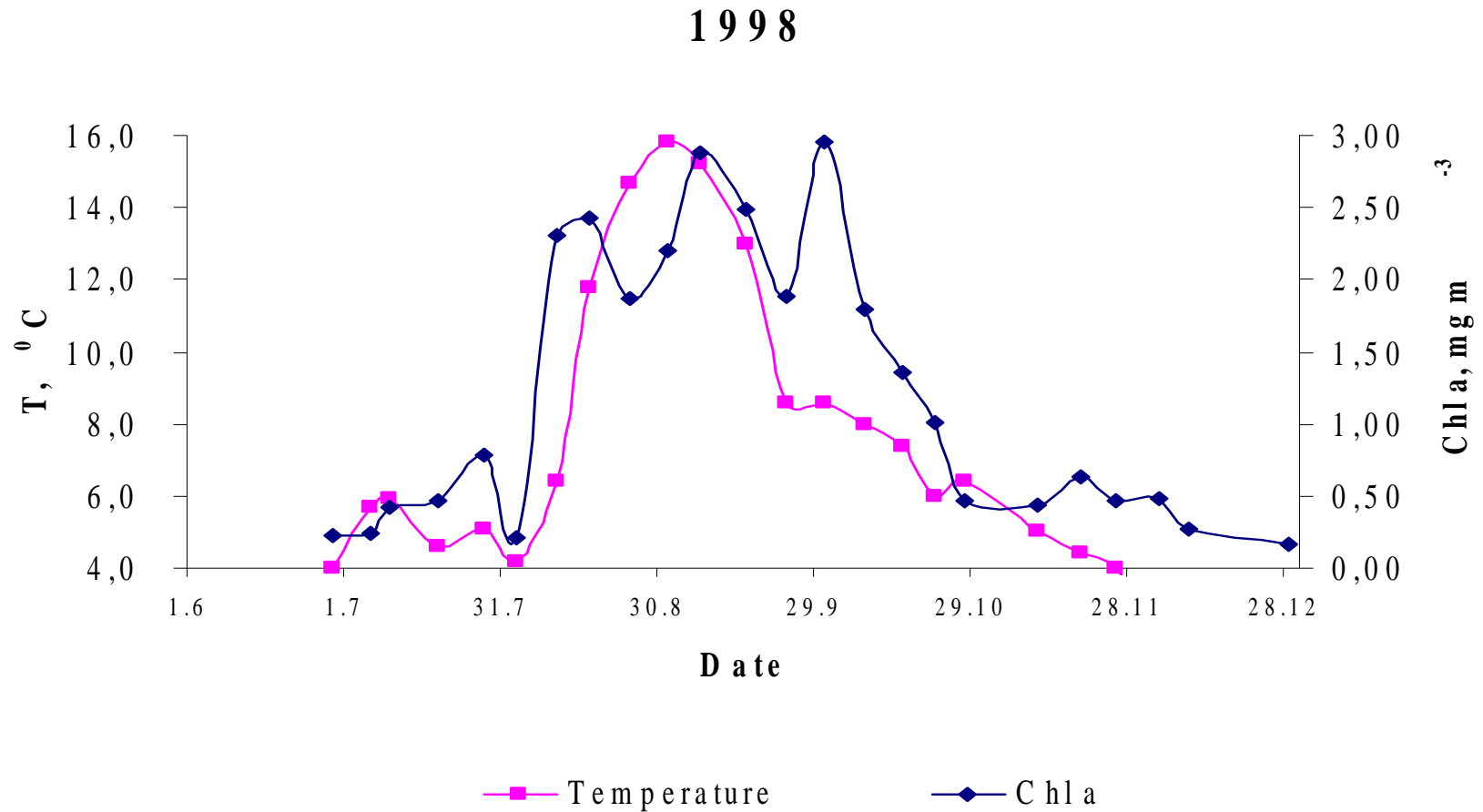
Long-term changes of temperature in the period of direct temperature stratification (average values for layer 0-50 m, red lines – standard deviation)



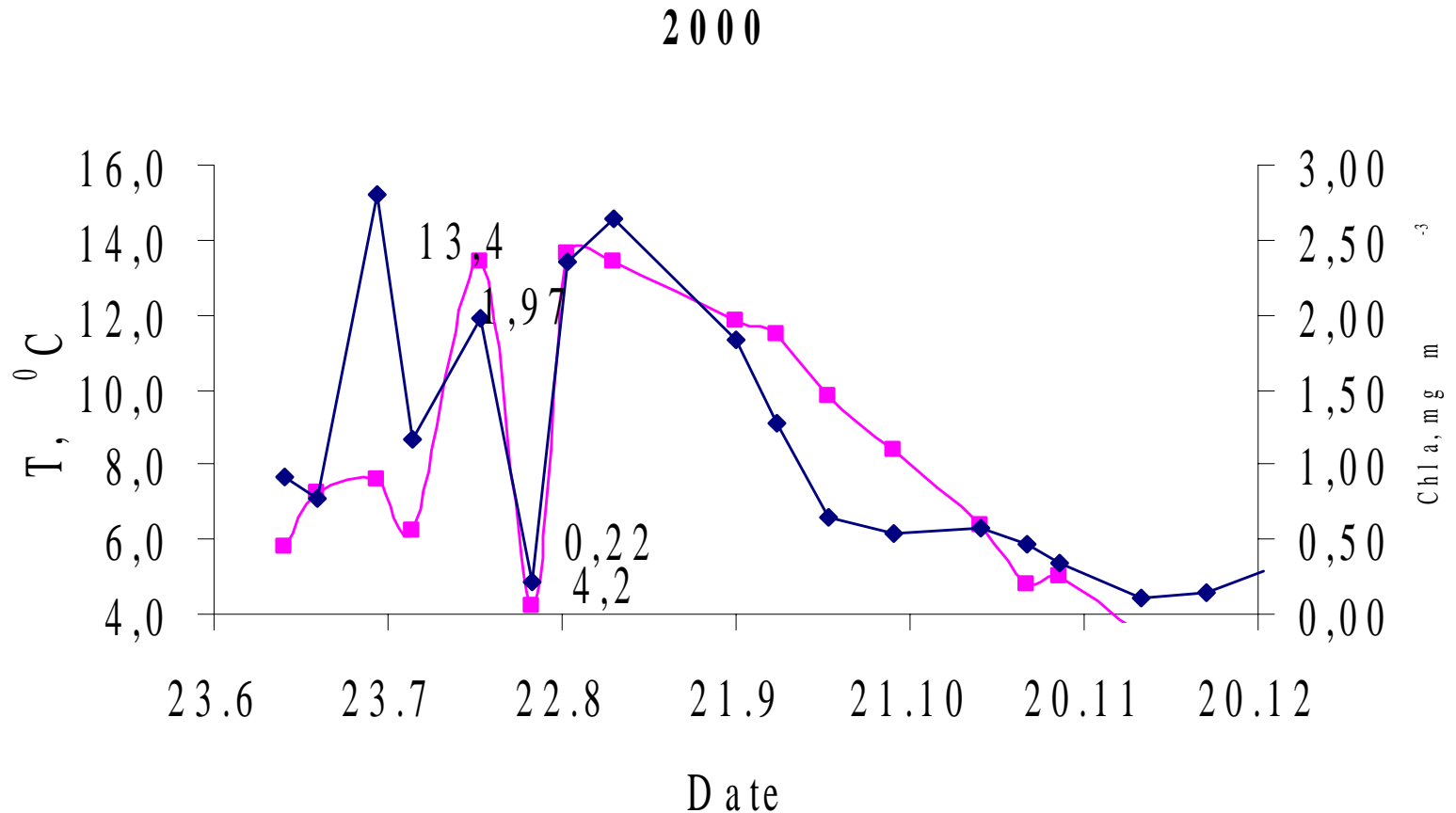
Frequency of north-west wind in June-September (average value)



Seasonal dynamics of chlorophyll *a* and temperature in the surface layer in 1998



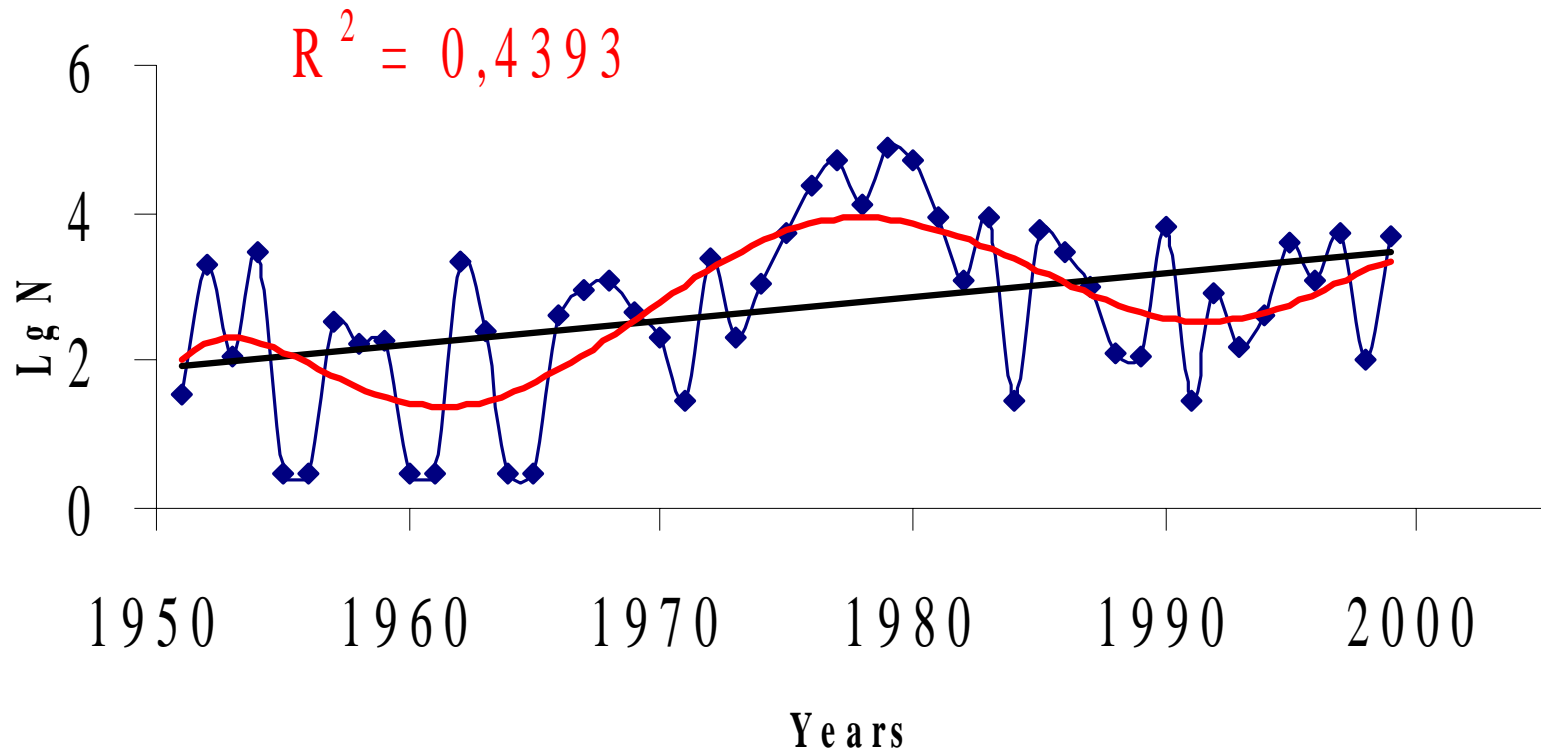
Seasonal dynamics of chlorophyll *a* and temperature in the surface layer in 2000



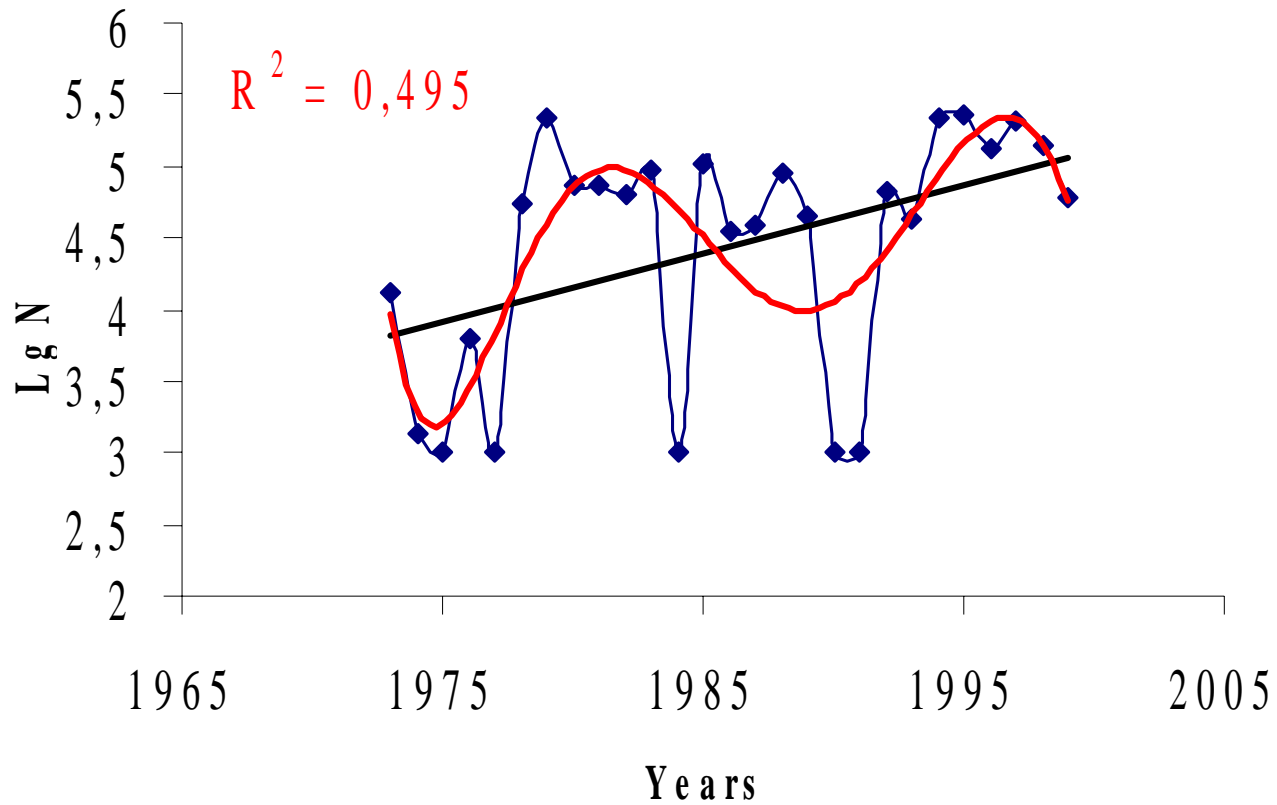
Summer complex

- *Chrysidalis* sp. (Chrysophyta);
- *Chroomonas acuta* (Cryptophyta);
- *Ankistrodesmus pseudomirabilis* (Chlorophyta).

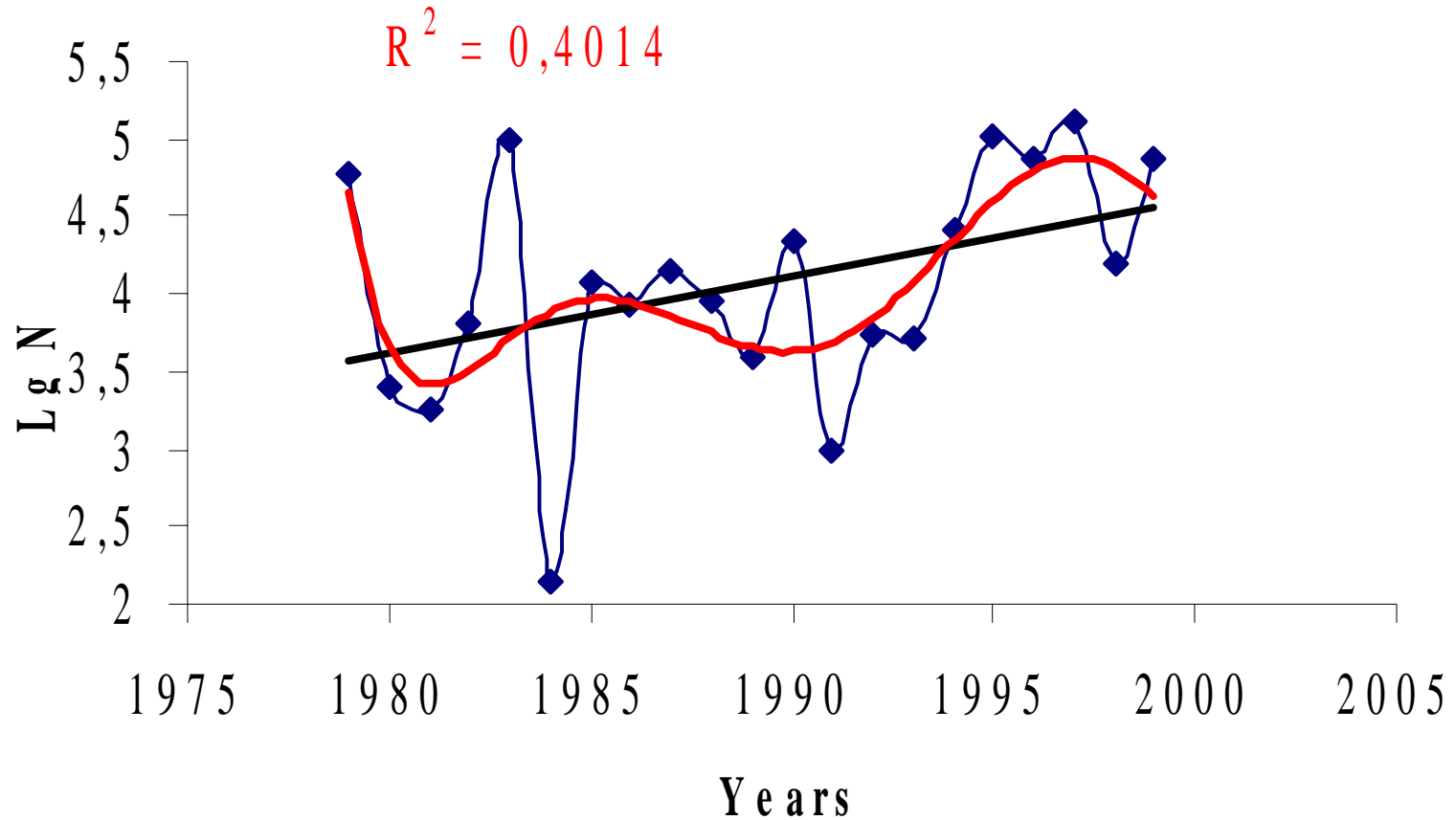
Long-term changes of *Ankistrodesmus pseudomirabilis* in July
(average value in 0-50 m layer)



Long-term changes of *Chroomonas acuta* in July (average value in 0-50 m layer)



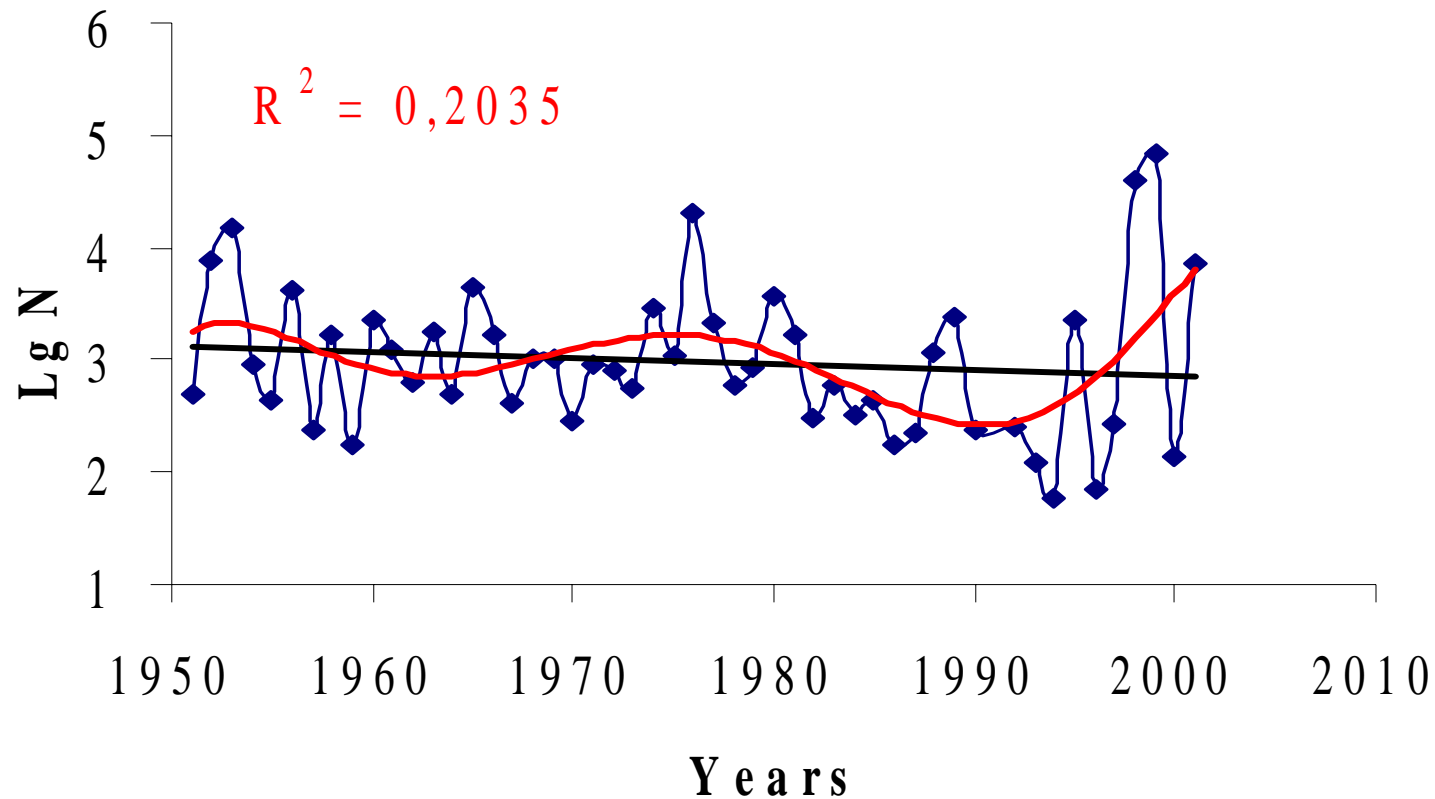
Long-term changes of *Chrysidalis sp.* in August (average value in 0-50 m layer)



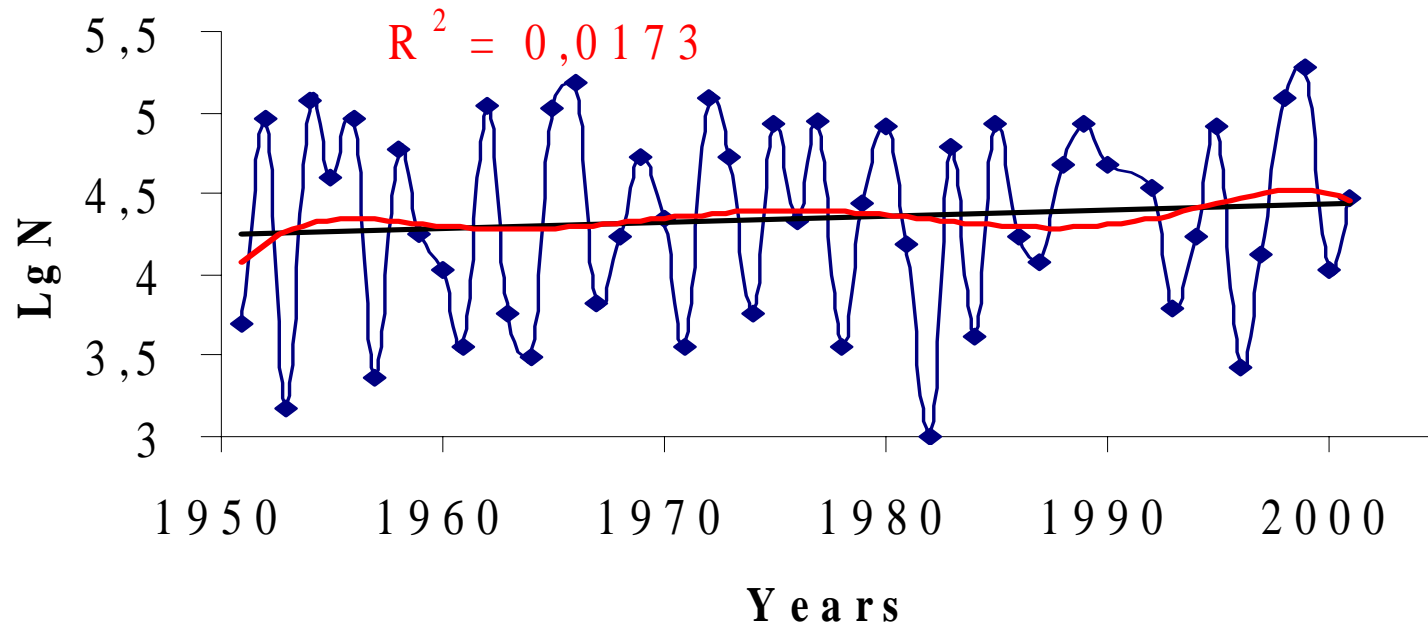
Autumn-winter complex

- *Cyclotella baicalensis* (Bacillariophyta, endemic);
- *Cyclotella minuta* (Bacillariophyta, endemic).

Long-term changes of *Cyclotella baicalensis* (maximum value per year)



Long-term changes of *Cyclotella minuta* (maximum value per year)



Distribution of chlorophyll *a* in 2005

