

Name:

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Title of project:

Does water(ice) bloom in the Arctic?/ The influence of chosen factors on water bloom in the Arctic

Summary:

Syllabus for research Project

„ Does water(ice) bloom in the Arctic?/ The influence of chosen factors on water bloom in the Arctic”

1. A short description of the project:

1) Research problem: Does water(ice) bloom in the Arctic?/ The influence of chosen factors on water bloom in the Arctic.

2) Hypothesis: Water bloom in the Arctic. Chosen factors do influence on water bloom in the Arctic

3) The main aim of the project.

The arrangement if in the unfavourable environment water(ice) blooms. Does the water(ice) bloom occurring depend on the influence of the appointed biological and physical-chemical factors in the Arctic conditions?

Factors chosen by the author of this research are:

- the air and water temperature,
insolation, the humidity of the air.

4) Research methods.

Measurements of:

§ The water temperature,

§ The air temperature,

§ The insolation,

Field observation - searching for water (ice) blooms.

Taking samples and microscope analysis.

5) Necessary equipment:

- light microscope,
- electron microscope,
- thermometer,
- hygrometer,
- heliograph,
- computer.

6) The presentation of the findings.

After examining chosen factors, making observation and measurements collected data will be put in the presentation. Measured data will be collected in the form of tables, and I will describe established relations and other findings on graphs. Appearance of the water blooms will be substantiated photographically.

(3 photographs in full version below: Water(ice) blooms at the Malta Lake in Poznań)

