



NATIONAL
MARINE
FISHERIES
RESEARCH
INSTITUTE

National Marine Fisheries Research Institute
ul. Kollątaja 1
81-332 Gdynia
Poland

ph.: +48 587 356 232
fax: +48 587 356 110
e-mail: sekrdn@mir.gdynia.pl

Gdynia, Wednesday, August 30, 2017

2017/4

To whom it may concern

REVIEW

of the abstract of the thesis by Markiyanova Marina Fedorovna
**"Sibling species *Chironomus plumosus* group (Diptera: Chironomidae)
Curonian and Vistula Lagoons of the Baltic Sea"**

submitted for the competition of scientific degree of the candidate of biological sciences
by specialty 03.02.04 – zoology

The dissertation deals with selected aspects of the physiology and ecology of two twin species of *Chironomus* (*Ch. plumosus* and *Ch. balatonicus*). The research is based on extensive data collected in the Curonian and Vistula Lagoon.

The dissertation exemplifies a modern approach. The author first identifies larvae of the species using chromosomal analysis, and then examines the osmoregulatory ability of the larvae, and their nutritional requirements.

The author Marina Fedorovna Markiyanova shows very good knowledge of the subject and literature. The results of her study provide many important insights into the ecology of Chironomidae.

In my opinion, after relevant preparation, the dissertation should be published in international journals.

In terms of the relevance of the topic, the scientific and practical significance, the thesis by M. F. Markiyanova meets the requirements for candidate dissertations. Its author Marina Fedorovna Markiyanova deserves the applied degree of candidate of biological sciences on specialty 03.02.04 – zoology.

Ryszard Kornijów
Full Professor

National Marine Fisheries Research Institute
Research Station in Świnoujście
Plac Słowiański 11
72-600 Świnoujście, Poland

ph.: +48 913 212 655
fax: +48 913 213 087
www.nmfri.gdynia.pl

National Marine Fisheries Research Institute
Plankton Sorting and Identification Center in Szczecin
ul. Kazimierza Królewicza 4-E
71-550 Szczecin, Poland

ph.: +48 91 455 44 63
fax: +48 91 422 72 03
e-mail: zsiop@mir.gdynia.pl
www.nmfri.gdynia.pl

The NMFRI Gdynia Aquarium
Al. Jana Pawła II 1
81-345 Gdynia | Poland

tel.: +48 587 326 601
fax: +48 587 326 611
e-mail: aquarium@mir.gdynia.pl
www.aquarium.gdynia.pl