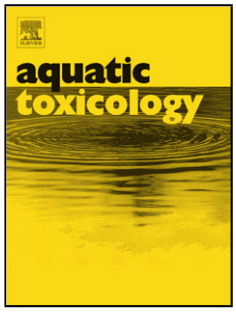

Title: Stoichiometric responses to nano ZnO under warming are modified by thermal evolution in *Daphnia magna*

Authors: Chao Zhang, Mieke Jansen, Erik Smolders, Luc De Meester, Robby Stoks

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Stoichiometric responses to nano ZnO under warming are modified by thermal evolution in *Daphnia magna*

Running head: evolutionary stoichiometric responses to nZnO

Chao Zhang*[1,2], Mieke Jansen[2], Erik Smolders[3], Luc De Meester[2], Robby Stoks[1]

[1] Evolutionary Stress Ecology and Ecotoxicology, KU Leuven, Deberiotstraat 32, B-3000 Leuven, Belgium

[2] Laboratory of Aquatic Ecology, Evolution and Conservation, KU Leuven, Deberiotstraat 32, B-3000 Leuven, Belgium

[3] Division of Soil and Water Management, KU Leuven, Kasteelpark Arenberg 20, B-3001 Leuven, Belgium

* Corresponding author: chao.zhang@kuleuven.be

Highlights

- Effects of nZnO and warming were tested on *Daphnia* body stoichiometry.
- Recent *Daphnia* subpopulation evolved a higher heat tolerance.
- nZnO only reduced the C:P and N:P ratios at 24°C in the recent subpopulation.
- Stoichiometric changes decoupled with macromolecules changes.
- Thermal evolution modified the stoichiometric responses to nZnO under warming.

Abstract