

Toxic Effects of Methylene Blue on the Growth, Reproduction and Physiology of *Daphnia magna*

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Table S1. Acute toxicity of methylene blue to aquatic animals.

Experimental Organism	Test Results	Reference
<i>Megalobrama terminalis</i>	24h LC ₅₀ : 20.22 mg/L 48h LC ₅₀ : 11.90 mg/L 96h LC ₅₀ : 8.89 mg/L	(Dai Y et al. 2020)
<i>Litopenaeus Vannamei</i>	24h LC ₅₀ : 5.769 mg/L 48h LC ₅₀ : 4.698 mg/L	(Zhou G et al. 2020)
<i>Rhodeus ocellatus</i>	24h LC ₅₀ : 45.30 mg/L 48h LC ₅₀ : 18.76 mg/L	(Chen W et al. 2010)
<i>Limnodilus hoffineisteri</i>	24h LC ₅₀ : 31.60 mg/L 48h LC ₅₀ : 20.60 mg/L 96h LC ₅₀ : 18.80 mg/L	(Yin H et al. 2007)
<i>Pimephales promelas</i>	96h LC ₅₀ : 45.00 mg/L(20°C) 96h LC ₅₀ : 15.00 mg/L(25°C)	(Rifici et al. 1996)
<i>Penaeus californiensis</i>	1h LC ₅₀ : 100 mg/L	(Hanks 1976)
<i>Salmo trutta</i>	24h LC ₅₀ : 54 mg/L 48h LC ₅₀ : 32.8 mg/L	(Willford WA et al. 1966)
<i>Salvelinus fontinalis</i>	24h LC ₅₀ : 49.8 mg/L 48h LC ₅₀ : 22.9 mg/L	
<i>Salvelinus namaycush</i>	24h LC ₅₀ : 35 mg/L 48h LC ₅₀ : 34 mg/L	

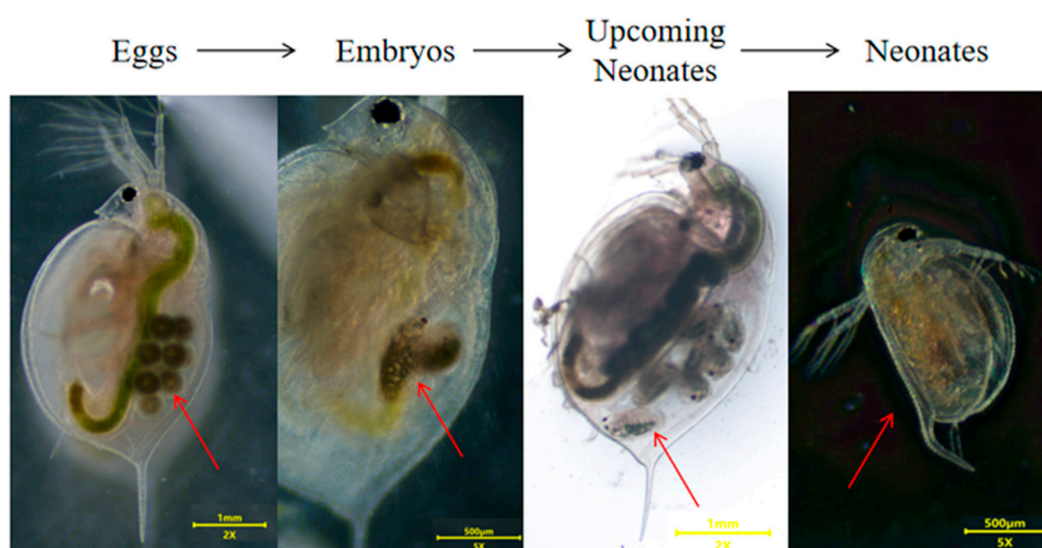


Figure S1. Developmental stages of *Daphnia magna* under the stereomicroscope.

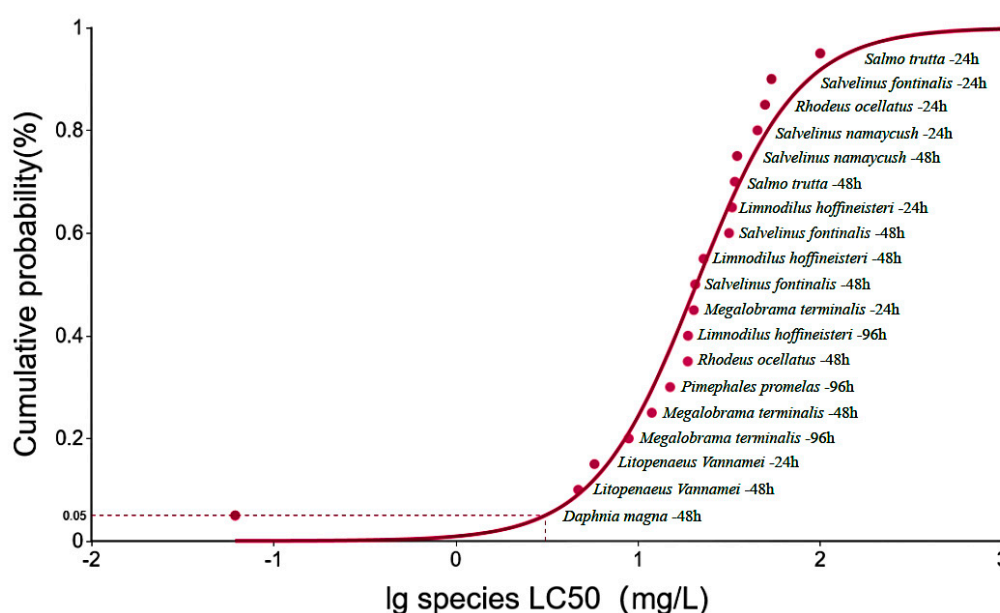


Figure S2. Logistic fitting curve of species mean acute values (SMAV) of methylene blue.

References

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