

Toxicity assessment of metolachlor towards diatoms: combining physiological and behavioral endpoints

Aude Gandon, N. Coquillé, G. Jan, Nicolas Mazzella, Soizic Morin

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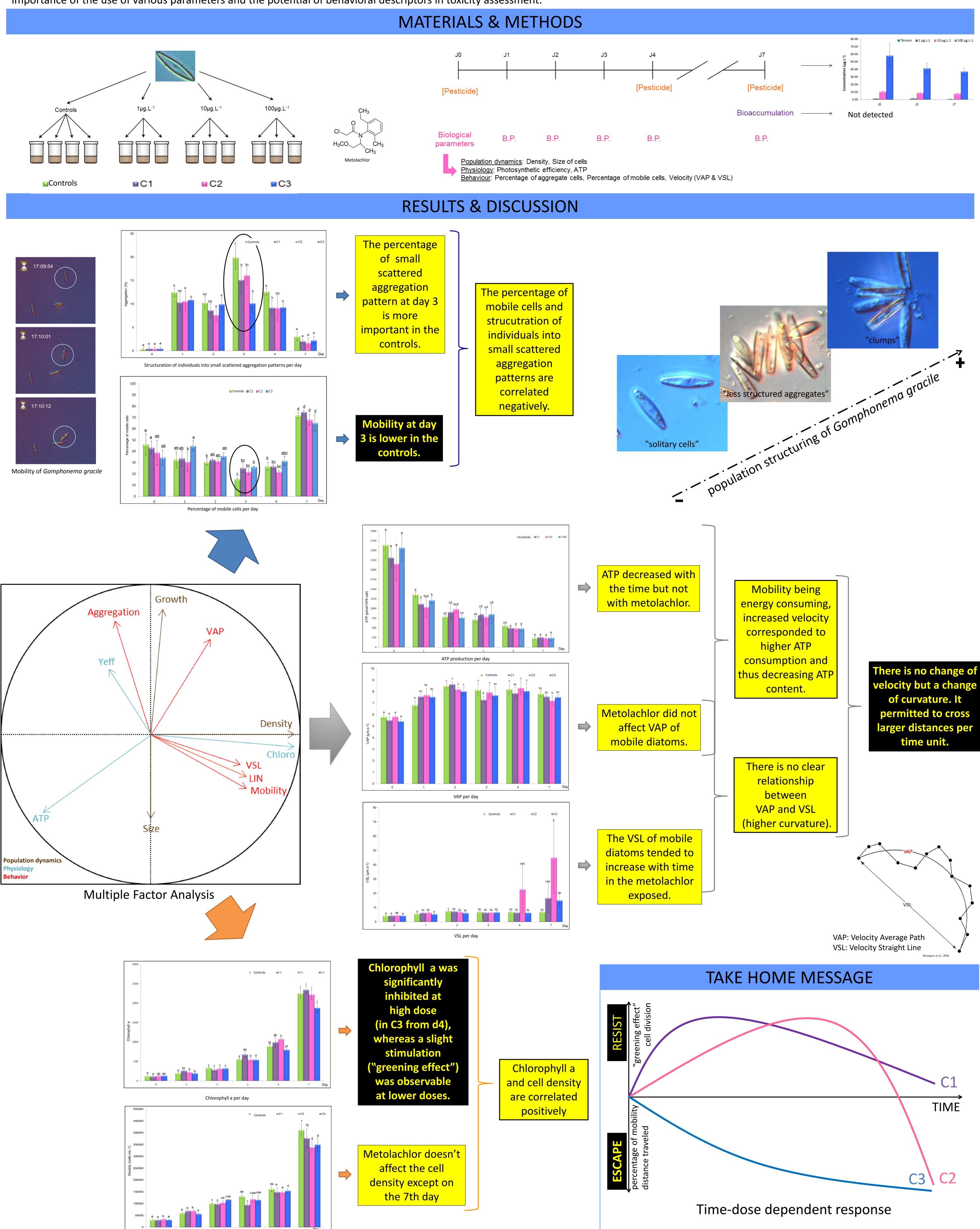
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A. Gandon, N. Coquillé, G. Jan, N. Mazzella, S. Morin Irstea, UR EABX, F-33612 Cestas Cedex, France

INTRODUCTION & OBJECTIVES

Assessing metalochlor toxicity is challenging, because of its presence at high concentration in rivers. We conducted an experiment to investigate the effect of the herbicide metolachlor (a cell division inhibitor) on a diatom species (*Gomphonema gracile* Ehrenberg). The effects of metolachlor on diatoms were evaluated through physiological and behavioral parameters. Our findings demontrate the importance of the use of various parameters and the potential of behavioral descriptors in toxicity assessment.



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Cell density per day