



Erratum

The Publisher regrets to inform that the abstract and keywords were missing from Lennart Weltje's Letter to the Editor entitled: *Integrating Evolutionary Genetics and Ecotoxicology: On the Correspondence Between Reaction Norms and Concentration–Response Curves* which appeared in Vol. 12, No. 6, pp. 523–528, December 2003 of the Ecotoxicology journal.

Abstract. An attempt is made to further integrate ecotoxicology and evolutionary genetics, disciplines which both study organismic responses to environmental variables. In ecotoxicology, the environmental variable is a chemical and the resulting function a concentration–response curve. Evolutionary geneticists use reaction norms to describe the response of a genotype to environmental variables (e.g. temperature, salinity). Nevertheless, by making specific choices, concentration–response models and reaction norm models are interchangeable. The slope of a concentration–response curve of a single genotype may thus be interpreted as a measure of phenotypic plasticity. Interestingly, phenotypic plasticity seems to be inversely defined in ecotoxicology and evolutionary genetics, which hampers the integration of these disciplines. Since single genotype populations are much used in ecotoxicology, it seems relevant to explore the implications of the proposed concept with respect to the extrapolation of results from single genotype laboratory toxicity experiments to genetically variable populations in contaminated ecosystems.

Keywords: clone; parthenogen; genotype; phenotypic plasticity; sensitivity distribution