

PROJECT P8007-BIO, Fonds zur Forderung der wissenschaftlichen Forschung (FWF).

POPULATION ECOLOGICAL INVESTIGATION OF PREDATOR-PREY RELATIONSHIPS IN LARVAL DEVELOPMENTAL STAGES OF DETRITIVOROUS CHIRONOMIDAE (DIPTERA), PREDATORY TANYPODINAE (CHIRONOMIDAE: DIPTERA) AND NYMPHAL PLECOPTERA, IN AN ALPINE GRAVEL BROOK, WITH REGARD TO THE PATCH-DYNAMICS CONCEPT

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Summary

The present project proposal aims to examine spatio-temporal patterns of selected benthic macroinvertebrate species of the rhithral area within a stream ecosystem, under a quantitative approach from field and laboratory investigations. Predator-prey interactions will be studied on abundant taxa of detritivorous and predatory chironomids (Diptera) and predatory plecopteran populations. The examination of the specific predator-prey relationships is based on an autoecological scope, which could lead to a better understanding of the spatio-temporal distributions (patch dynamics) within bed-sediments.

The above project hypotheses have been drawn after long-term studies obtained in the Ritrodat-area (Oberer Seebach, Lunz, Austria) and the "Ökosystemstudie Donaustau Altenwörth" project in the Danube river.

ZOBODAT - www.zobodat.at

Zoologisch-Botanische Datenbank/Zoological-Botanical Database

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