

## RESEARCH ON THE FAUNA OF *CARABIDAE* (*COLEOPTERA*, *CARABIDAE*) OF SOME PLUM ORCHARDS IN EASTERN ROMANIA

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### Abstract

The research was made for three years, 2012-2015 in two plum plantations in Iasi, belonging to the Teaching Station Vasile Adamachi stationary located in Iasi at Rivers timpuriu and Stanley variety. For the gathering of traps were used the soil traps type Barber who were completed with a formalin solution in a 4-5% concentration. The traps functioned in each of the 3 years of research, from May to September. The gathering was done separately, on each of the 6 used trap and fauna species collected were selected only carabids (*Coleoptera-Carabidae*), which were then determined. The species collected were calculated a number of ecological indexes, such as abundance (A), consistency (C) dominance (D), the index of ecological significance (W). Among the species collected in the period research include: *Harpalus distinguendus*, *Anisodactylus signatus*, *Carabus coriaceus*, *Calathus melanocephalus*, *Carabus scabriusculus*, etc.

**Key words:** carabids, diversity, ecological indexes, plum plantations

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