

## STUDIES OF DROSOPHILIDAE (DIPTERA) IN SERBIA AND MONTENEGRO. XVIII. COLLECTIONS FROM KRAGUJEVAC

SNEŽANA STANIĆ<sup>1</sup>, VLADIMIR KEKIĆ<sup>2</sup> AND SOFIJA PAVKOVIĆ-LUČIĆ<sup>2</sup>

<sup>1</sup>Faculty of Science, University of Kragujevac, R. Domanović12,  
SCG-34000 Kragujevac

<sup>2</sup>Institute of Zoology, Faculty of Biology, University of Belgrade, Studenski trg 16,  
SCG-11000 Belgrade

This paper presents the first faunistic-ecological data of drosophilids from Kragujevac Basin. Among more than 2300 collected specimens there is a total of 18 *Drosophila* species identified. The differences in the composition of species between three various localities are discussed in respect of their ecology.

KEY WORDS: *Drosophila* ecology, spatial distribution.

Having in mind the importance of certain representatives of *Drosophilidae* family, especially the species of *Drosophila* (see e.g. ASHBURNER et al., 1976 – 1986; POWELL, 1997), and the fact that the territory of Serbia and Montenegro is still a poorly investigated part of Europe (see KEKIĆ, 2002), we continued our faunistic-ecological studies, and this time we paid our attention to *Drosophilidae* in the basin of Kragujevac which is situated in the central part of Serbia, i.e. the central part of the Balkan Peninsula.

This paper presents results of our studies in the town of Kragujevac (around 140 km south of Belgrade) in the period from 7<sup>th</sup> to 12<sup>th</sup> September 1999. Flies were collected at three localities: (1) in the garden of a house in the part of the town called “Stara radnička kolonija”, (2) on the banks of the Lepenica river that flows through the town, in the part downstream of the confluence of the Ždraljica river into the Lepenica river and (3) in the oak forest Šumarice near the town. It is important to mention that Kragujevac (and whole Serbia and Montenegro) was bombed by NATO alliance in the period from March to June 1999 and this bomb-