

## SCIENTIFIC NOTES

**FAUNISTIC STUDY ON ODONATA (INSECTA) OF  
GÖLBEL LAKE, NORTHERN TURKEY**

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It is tried to uncover the composition of fauna by making additions in this study that is aimed to determine Odonata species of Gölbél Lake in Osmancık district of Çorum Province and their distribution. In addition, other studies on the subject are scanned and it is noticed that there is no study about Odonata fauna of Gölbél Lake in Osmancık district, Çorum Province (Salur & Mesci, 2007; Demirsoy, 1982, 1995; Kalkman et al., 2006). This study is the first about Odonata fauna of Gölbél Lake in Osmancık district.

Gölbél Lake of Osmancık district which is choosed for study area is located in 41 06' 164" North latitude- 034 55' 837" East longitude coordinates. Lake is located in a high region at 1360 m altitude and at the border of provinces of Çorum and Samsun. Area of the lake is about 150 decar. Field studies were made in June, July and August of 2010 and in July of 2011 and 307 samples were collected from this area. As a result of diagnostic procedures of these examples, it is determined that 13 genus of 5 families of Odonata order belong to 17 species group taxa. All of these species are new for fauna of Osmancık district and Gölbél Lake.

After collected samples were being killed in killing jars, they were kept in protective envelopes within the insect boxes. All of the samples are at the Zoology Museum of Hitit University.

### RESULTS

Family: Lestidae

*Lestes sponsa* (Hansemann, 1823)

Materials Examined: 31♂♂, 17♀♀, 14/06/2010; 10♂♂, 20/07/2010; 2♂♂, 29/07/2011.

*Lestes barbarus* (Fabricius, 1798)

Material Examined: 1♂, 29/07/2011.

*Sympecma fusca* (Vander Linden, 1820)

Materials Examined: 19♂♂, 3♀♀, 14/06/2010.

Family: Coenagrionidae

*Coenagrion puella* (Linnaeus, 1758)

Materials Examined: 51♂♂, 9♀♀, 14/06/2010; 15♂♂, 2♀♀, 20/07/2010.

*Enallagma cyathigerum* (Charpentier, 1840)

Materials Examined: 26♂♂, 1♀, 14/06/2010; 6♂♂, 1♀, 20/07/2010; 1♂, 1♀, 29/07/2011.

*Ischnura elegans ebneri* (Schmidt, 1938)

Materials Examined: 3♂♂, 2♀♀, 14/06/2010; 2♂♂, 4♀♀, 20/07/2010; 1♂, 29/07/2011.

*Pyrrhosoma nymphula* (Sulzer, 1776)

Material Examined: 1♂, 14/06/2010.

## Family: Aeshnidae

*Anax imperator* Leach, 1815

Materials Examined: 5♂♂, 4♀♀, 14/06/2010; 2♂♂, 20/07/2010; 1♂, 1♀, 29/07/2011.

## Family: Corduliidae

*Cordulia aenea* Linnaeus, 1758

Materials Examined: 9♂♂, 1♀, 14/06/2010; 1♂, 20/07/2010.

## Family: Libellulidae

*Crocothemis erythraea* (Brulle, 1832)

Materials Examined: 1♂, 14/06/2010; 1♂, 20/07/2010. 1♂, 29/07/2011.

*Leucorrhinia pectoralis* (Charpentier, 1840)

Materials Examined: 2♂♂, 14/06/2010.

*Libellula depressa* (Linnaeus, 1758)

Materials Examined: 8♂♂, 1♀, 14/06/2010; 2♂♂, 20/07/2010.

*Libellula quadrimaculata* Linnaeus, 1758

Materials Examined: 9♂♂, 2♀♀, 14/06/2010.

*Orthetrum brunneum* (Fonscolombe, 1837)

Materials Examined: 1♀, 14/06/2010; 6♂♂, 1♀, 20/07/2010.

*Orthetrum albistylum* (Sélys, 1848)

Material Examined: 1♂, 29/07/2011.

*Sympetrum fonscolombi* (Sélys, 1840)

Materials Examined: 15♂♂, 14♀♀, 20/07/2010.

*Sympetrum sanguineum* (Müller, 1764)

Materials Examined: 1♀, 3♂♂, 20/07/2010. 5♂♂, 29/07/2011.

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