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Graduate School
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The thesis
Submitted for the Degree of Master of Science
(In the field of Agricultural Entomology)

Title:

Identification of Braconidae Fauna
Emphasizing on subfamily of
Alysiinae in Fars Province

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May 2009

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Abstract

The objective of this research was to identify Braconidae (Hymenoptera: Braconidae) fauna focusing on subfamily of Alysiinae in Fars province. The sampling was occurred in 2008-2009 in Fars province. To collect the parasitic wasps net sweeping, Malaise trap and yellow pan trap were used in the nature. All specimens differentiated based on their traits in the laboratory. The key of Wharton *et al.*, (1997) was used. This study yielded 11 subfamilies, i.e. Agathidinae, Alysiinae, Aphidiinae, Blacinae, Braconinae, Cheloninae, Euphorinae, Microgasterinae, Opiinae, Orgiliinae and Rogadinae. In this research, 6 new genus from Alysiinae entitled *Aspilota* Foerster, 1862; *Chorebus* Haliday, 1833; *Dacnusa* Haliday, 1833; *Lepton* Zetterstedt, 1833; *Orthostigma* Ratzeburg, 1844, *Synaldis* Foerster, 1862 and 10 new species entitled *Aspilota* sp., *Chorebus affinis* Nees, *Chorebus groschkei* Griffiths, *Chorebus neardiremptus* Nees, *Chorebus stilifer* Griffiths, *Chorebus tamsi* Nixon, *Dacnusa hospital* Foerster, *Lepton gracilis* Curtis, *Orthostigma beyarsalani* Fischer, *Synaldis concolor* Nees for Persian fauna were reported. The other geographically new species for Persian fauna entitled *Glyptomorpha nachitshevanica* Tobias, 1976; *Orgilus kasakhstanicus* Tobias, 1986; *Chelonus erythrogaster* Lucas, 1758 and *Phaedrotoma robusta* Telenga, 1959 were reported from the subfamilies of Braconinae, Orgilinae, Cheloninae and Opiinae respectively. One new subfamily (Orgiliinae) also was reported for the first time in Iran.

Key words: fauna, identification, Hymenoptera, Braconidae, Fars province.