

**SURVEY AND TAXONOMIC STUDY
OF FAMILY HYDROPHILIDAE (COLEOPTERA)
IN EGYPT**

A Thesis

Presented to the Faculty of Science, Ain Shams University, for the
Award of

The Degree of Doctor of Philosophy
In Entomology

By

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ



(طه - ١١٤)

وقل رب زدني علما

صدق الله العظيم

To My Kids

Martinazy - Yasser - Radwa

Biography

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Abstract

The purpose of the present work is to study the distribution, seasonal abundance and recent taxonomic status of hydrophilid beetles in Egypt.

Seventeen hydrophilid species were collected from twenty three governorates in Lower and Upper Egypt.

Seasonal abundance studies for six species for two successive years in two different regions in Egypt, indicated that these hydrophilid beetles were most abundant during spring, summer and autumn, less abundant during winter.

The recent taxonomic status of hydrophilid genera and species in Egypt (53 species) were determined. Keys, synonyms and descriptions of genera and species, including one new record, Spercheus emarginatus (Schaller), were reported .

Tables, maps and figures for all results were provided..

Key words: Hydyophlidae, survey, seasonal abundance, Taxonomy.

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