

Abd El-Latif, Nadia A. ; Solaiman, R.H.A. and **Abd El-Gayed, A.**
A.(2009): Ecological and biological studies on some
parasitoids associated with *Scolytus amygdali* Guer.
(Coleoptera : Scolytidae) in Fayoum Governorate. *Egypt J. of
Biol. Pest Control.*, 19(1): 1-5.

A study was carried out in Fayoum Governorate to survey the parasitoid species associated with almond bark beetle, *Scolytus amygdali* Guer. during the period extended from Jan. 2006 until Dec. 2007. Results showed eight Hymenopterous parasitoid species belong to four families, i.e., *Rhaphitelus maculatus* Walk, *Cerocephala cornigera* West, *Cheiopachus quadrum* L., *Eurytoma* sp., *E. morio* Bohem, *Cephalonomia mycetophila* Kieff, *Metacolus* sp .and *Dendrosoter protuberans* Nees were recorded parasitizing this insect pest species.

The two main parasitoids (*R. maculatus* and *C. mycetophila*) had three peaks during the successive years of study (2006 and 2007). These parasitoids were reared under laboratory conditions (25 ± 1 °C and 65 ± 5 % R.H). Longevity of males and females averaged 12.40 and 18.60 days for *R. maculatus* and 14.10 and 18.70 days for *C. mycetophila*, respectively. Mean number of eggs laid was 29.2 and 21.4 eggs/female for *R. maculatus* and *C. mycetophila*, respectively. Total durations of immature stages were 20.8 ± 0.15 days for *R. maculates* and 18.80 ± 0.12 days for *C. mycetophila* .