ABSTRACT

كلية الزراعة
قسم الميكروبيولوجيا الزراعية

جامعة الفيوم

نشاط علمي

Abou El-Ela A. A., **Abdelaleim Y. F.**, and Kariman M. M. **(2016)**. Study of pathogenicity and antibiotic effect on bacterial strains associated with *Bombyx mori* L. J. ent. Res., 40 (3): 327-332.	بحث إضافى أول نشاط علمى
مشترك مع آخرين من خارج التخصص– منشور	I

Title	Study of pathogenicity and antibiotic effect on bacterial strains associated with *Bombyx mori* L.
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Results revealed that only two bacterial strains of five isolates were pathogenic, identified as *Bacillus megaterium* and *Bacillus circulans*. The Lc50 of *Bacillus megaterium* were 9.9×10^5 and 2.9×10^6 while the Lc50 of *Bacillus circulans* were 8.65×10^6 and 2.2×10^7 cfu/ml for fourth and fifth larval instars of silkworm, respectively. Further, fourth larval instar was more sensitive than the fifth depending on the values of relative sensitivity between the two tested instars. Antimicrobial activity of antibiotics by disc diffusion method showed that all isolates were very sensitive against three antibiotics included in this study only (noroxin, tarivi d and Flumox).