

DIVERSITY OF SPIDER WEBS OF SYNANTHROPIC SPECIES AND THOSE GROWN IN
INSECTARIA ON THE BASIS OF THE *BRACHYPELMA ALBOPILOSUM*

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Key words: *glands, spider's web, arthropods, traps*

ABSTRACT

The term „spinning thread” means a thin, long fiber that arises from the solidification of secretions produced by the arthropod glands. It is made of fibroin fibers glued with sericin. If this thread is produced by spiders, it is called the spider's thread, and the web formed from it – the spiderweb. The glands that produce them are spinneret. The glands (spinneret) are numerous and are combined into specialized groups producing secretion with a different components for each group. From most of them are made yarn threads sticking to each other during spinning (Jura 2004; Jura 2007). Others produce secretion for viscosity of congealed threads. They are used to build shelters, egg cocoons or spider webs. Spiders use of glands and the way how spider web is made are characteristics of individual families (Schmidt-Nielsen 2008). Spider webs create mechanical traps with a complicated structure and appropriately selected holes filtering the prey. The way of thread entanglement and their interconnections are characteristic features of individual species. The construction of spider web uses elastic construction threads and sticky threads whose task is to immobilize the body of the possible victim, which is a food prey (Encyklopedia 2008). The aim of the work was to identify species of synanthropic spiders (accompanying human settlements) and spiders raised in laboratory conditions based on the characteristics of spider webs they use. The field observations and their photographic documentation made it possible to identify eight species of spiders found inside human settlements as well as those found in vegetation in home gardens. The formation of spider webs produced by the (*Brachypelma albopilosum*) was also observed in terrarium conditions.

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