

Abstract:

There is a lack of information about life histories of the wolf spiders *Tricca lutetiana* and *Arctosa lamperti*. The objective of this study was to fill in information about the biology of these species. A comparison of records may result in solving the problematic taxonomic position of both species. The research proceeded between 2005 – 2008 and many methods were used. Both species differ in the lifestyle, day activity and phenology. Life cycle, courtship and mating were found different as well. Both species care the cocoon and spiderlings similarly, however, unequal number of offsprings was recorded. The karyotypes of both species are similar as well as the sex chromosome system. On the contrary, chromosomes of both species possess different amount of constitutive heterochromatin and the sex chromosomes show different behaviour during prophase I. The genera *Tricca* and *Arctosa* are distinguished by the ratios in the eye formula.