

## **Abstract**

Bats, as a very old order of mammals, are significant reservoirs of viral pathogens and in many cases are also scientifically proven carriers of the viruses. These viruses are becoming more and more known, mainly due to the growing human population and thus the frequent contact of humans and bats. In this work I will follow up only some zoonoses that the *Chiroptera* family carries and I selected them according to their scientific knowledge and, of course, the impact on human society. However, this area is still full of information unclear or completely unknown, so further research is desirable. The basic methods of virus identification that are used to investigate new viruses are discussed in the second part.

Key words: bats, virus, zoonosis, reservoir, epidemics