

The domestic dog (*Canis lupus familiaris*) is one of the most widespread domestic animal species over the world. A lot of scientific studies are focused on explaining the process of dog domestication. However, the results of these studies vary in most cases. The conclusion about the origin of dogs is complicated due to hybridization with their ancestor, the gray wolf (*Canis lupus*), in ancient times and also because of some archaeological discoveries, which are difficult to identify. The origin of various adaptations during domestication process allows dogs to live alongside humans. These adaptations are related to behavior and food digestion process. Hybridization between dogs and wolves in nature is a current issue. It could threaten the genetic integrity of expanding the European wolf population.