

## **Abstract**

The Dissertation treats the exacting wards of the zoological gardens – *Colobus guereza*, *Colobus angolensis* and *Colobus polykomos*.

The first part summarizes the knowledge of breeding especially in our zoological gardens. Special attention is paid to feeding which is considered as a limiting factor of breeding.

The following part compares morphology of the digestive tract of the *Colobinae* with the other herbivores and with the other monkeys, especially from the point of view of morphology.

In the end of the Dissertation, an informative experimental observation of cellulose (roughage) digestion is described.

**Key words:** Multiple-compartment stomach, Angolan colobus, Artiodactyls, Digestive system, Cellulose digestion