



UNIVERSITY OF AGRONOMIC SCIENCES  
AND VETERINARY MEDICINE OF BUCHAREST  
FACULTY OF ANIMAL PRODUCTIONS  
ENGINEERING AND MANAGEMENT



170  
years

*International Conference*

*"Agriculture for Life, Life for Agriculture"*

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BOOK OF ABSTRACTS

SECTION 3

ANIMAL SCIENCE



2022  
BUCHAREST

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## BIOLOGICAL ASSESSMENT OF THE CONSTITUTION OF THE POLISSIAN BEEF CATTLE IN THE CONDITIONS OF THE PRECARPATHIAN REGION

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### **Abstract**

*The aim of the study was to investigate the growth of body weight, linear development, physiological and biochemical parameters of the blood of the first cows of Polissian beef breed of different constitution before and after weaning calves in the Precarpathians. To achieve this goal provides for the following tasks: to study the growth of live weight of cows of different types of constitution before and after weaning calves; to study the linear development of first-born cows of different types of constitution before weaning; to study the physiological and biochemical parameters of the blood of first-born cows of different types of constitution before and after weaning calves. In terms of body weight growth, linear development of physiological parameters of the blood of the first-born cows of the experimental group, both before weaning and after weaning calves significantly outperformed control peers, on average by 10-12%. In the Carpathian region, the breeding of Polissya meat breed should use animals with high physiological selection index, compared with analogues with low physiological selection index, it will accelerate the selection process in livestock populations and increase the production of biologically valuable beef in the region.*

**Key words:** *body structure indices of Polissian beef cows, cattle breeding, constitution, measurements of the bodies.*