



Poznań University of Life Sciences

**V INTERNATIONAL SCIENTIFIC
CONFERENCE**

**MEAT IN TECHNOLOGY
AND HUMAN NUTRITION**

under its working title

**MEAT AS A FUNCTIONAL
AND PRO-HEALTHY PART OF OUR
DIET**

**ABSTRACTS OF PLENARY LECTURES
& POSTERS PRESENTATIONS**



POZNAN – TARNOWO PODGÓRNE
JUNE 27 – 29, 2018



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DEPARTMENT OF MEAT TECHNOLOGY
POZNAŃ UNIVERSITY OF LIFE SCIENCES



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SUPPLEMENTATION OF EUBIOTICS IN NUTRITION OF ANIMALS AND PROTEIN- DEGRADING ENZYME ACTIVITIES

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Introduction: The use of eubiotik preparations in animal nutrition is a better alternative than antibiotic growth stimulators. Eubiotik preparations not only can replace antibiotics, but also have a positive effect on the digestive tract microflora.

The studies aimed at determining the effect of eubiotic preparations and salinomycin in feed concentrates on the results of chicken rearing.

Material and methods: The experiment was conducted on 300 chicks. The birds were divided into four experimental groups and two rearing periods.

The control groups consisted of birds receiving throughout the whole rearing period a feed not supplemented with coccidiostats. After the end of the nutrition period samples of the breast muscles and livers were taken from all chicken and homogenised. In the homogenates obtained the basic chemical composition was determined together with the activity of degradation enzymes, using procedures accepted during the laboratory accreditation process (PB-02, AB1398).

Results: The nutrition studies conducted did not show any differences in the chemical composition of the muscles examined or in the activity of degradation enzymes after the introduction of eubiotic preparations into the birds diet.

Conclusions: The lack of changes in the activity of degradation enzymes may indicate that the use of eubiotic preparations does not cause an increase of the degradation processes or changes of the chemical composition of meat. The use of eubiotic preparations in animal nutrition may lead to a decrease of the concentration of undesirable metabolites in the organism.

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