



The influence of some macrocomponentes from broiler food on a few biochemical metabolic indices

Florin LUP - University of Oradea
Dan DRINCEANU - USAMVB Timisoara
Daniel MIERLIȚĂ - University of Oradea

To reduce the import of soy oil cake, which requires a significant financial effort, it is necessary to research opportunities for its partial replacement in broilers feeding with native protein sources, respectively sunflower oil cake, in the context of using small amounts of synthetic aminoacids or fish meal. The researches were conducted using groups' method. There were organized four groups (lots). The first lot - L1 (M) - was considered the control lot; in this lot it has been used only soy oil cake as protein fodder. On other lots, some soy oil cake was replaced with sunflower oil cake in different proportions or sunflower oil cake and fish meal, and to ensure the biological value of the protein it has been used different proportions of synthetic aminoacids (lysine and methionine). Investigated sanguine biochemical indices (total protein, total fat, cholesterol, glucose, GOT, GPT, LDH, urea, uric acid) confer higher metabolic advantages in broilers fed only using soy oil cake or in those for which soy oil cake was replaced with sunflower oil cake and fish meal.