

# COMPARATIVE STUDY REGARDING THE ENERGETIC VALUE OF TWO MULBERRY VARIETIES

M. Doliş<sup>1</sup>, G. Diniţă<sup>2</sup>, C.G. Şonea<sup>3</sup>, C. Pânzaru<sup>1</sup>

<sup>1</sup>Faculty of Food and Animal Sciences, Iasi University of Life Sciences, Romania

<sup>2</sup>University of Agronomic Sciences and Veterinary Medicine, Bucharest, Romania

<sup>3</sup>Ministry of Agriculture and Rural Development, Bucharest, Romania

## Abstract

*In order to assess the nutritional value, as the chemical composition and the crude energy of mulberry leaves, during a summertime growth series, several determinations were made, which concerned two mulberry varieties (Kokuso 21 - imported and Eforie – Romanian variety); these were administered to Triumph hybrid, a Bombyx mori larvae created in Romania. The results showed that advanced vegetation and during each growth period of silkworm, the mulberry leaf undergoes an aging process, translated by diminishing its quality regarding the chemical composition. According to this fact, throughout the studied period the crude energy of the leaves generally registered an average constant increase of 144.85 Kcal/kg; thus, between varieties but also within each variety there were significant differences, depending on the larvae's age. During the entire studied period, the difference recorded between varieties was insignificant regarding the crude energy content of the mulberry leaf and the average value was 1241.6 Kcal/kg.*

**Key words:** leaf, mulberry, nutritive, energy