

## TRENDS IN SHEEP AND GOAT LIVESTOCK AND MEAT PRODUCTION CONCENTRATION AND THEIR ECONOMIC IMPACT IN ROMANIA IN THE PERIOD 2009-2018

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**Abstract.** *The concentration of sheep and goats livestock and meat production were studied in Romania in the period 2009-2018 using the data provided by the National Institute of Statistics, Herfindhal-Hirschman (HHI) and Gini-Struck (GSI) indices, trend analysis, and structural changes. The results pointed out both the livestock and the live weight for slaughtering increase by 16.5 %, and, respectively, by 10.9%. Sheep and goats livestock is moderately concentrated in five micro-regions: Centre, South East, North West, North East, and West (81%), while meat production in terms of live weight is concentrated mainly in South East, Centre, South Muntenia, North West and North East as proved by HHI (0.1494-0.1654) and GSI(0.4132-0.4467) values. The concentration growth has a positive influence on export which accounted of 93% of production and on export/import ratio which reflected that Romania has an efficient international trade with this product, being a net exporting country.*

**Keywords:** sheep and goats, livestock, meat production, concentration, economic impact, Romania

### 1. Introduction

Sheep and goat meat are high value sources of nutrients and energy which could nourish our body and maintain its health.

In 100 g of sheep meat, there are: 20 g proteins, 6.5 g fats, water 72 %, and 144 kilocalories, while in 100 g of lamb meat there are: 18 g proteins, 20 g fats, vitamins (B and C), minerals (calcium, iron), 62 % water, and 260 kilocalories (Damian, 2017)[1]. In 100 g goat meat, there are: 27 g proteins, 30.5 g fats (linoleic acid, a lower content of saturated fatty acids), vitamins (A, B6, B12, C, D, E, K) and minerals (calcium, potassium, selenium, iron, a lower content of sodium) and 143 calories, and for this reason it is a healthy meat preventing cancer, anemia, osteoporosis, heart diseases, stimulating brain activity and sustaining immunity (Vasiliu Alina, 2020) [18].

Sheep and goat meat consumption is not so high, but it is continuously growing in the recent decade due to the changes in consumer's new orientation for a healthy diet, the better quality of meat products from these two species resulting from the

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