

## **OLIGOTROPHIC GRASSLANDS AND THEIR CONTEXT IN INTENSIFICATION**

**Ioan ROTAR<sup>1</sup> , Florin PĂCURAR<sup>1</sup>, Roxana VIDICAN<sup>1</sup>, Anca PLEȘA<sup>1</sup>**

e-mail: rotarioan@usamvcluj.ro

---

### **Abstract**

The concept of sustainability applied to agriculture developed mainly as a result of growing awareness of negative impacts of intensive farming systems on the environment and the quality of life of rural and neighboring communities. For grassland systems, a combination of intensively and extensively management plots may give more favorable overall results than the management of the whole area at a medium intensity. The reduction of fertilizing and soil cultivation intensity led to a general reduction of environmental impacts, while the ban of certain classes of pesticides reduced ecotoxicity potentials and increased biodiversity potentials, while leading to a higher energy demand and higher nutrient losses per product unit.

**Key words:** biodiversity, environment, intensification, oligotrophic grasslands.