

FOOD SECURITY IN A CHANGING CLIMATE WORLD

**Andrea Feher^{1,2}, Miroslav Raicov², Cosmina Simona Toader¹,
Claudia Elena Sîrbulescu¹, Rhida Ben Saleh³**

¹ Banat's University of Agricultural Sciences and Veterinary Medicine "King Michael Ist of Romania" from Timisoara, Faculty of Management and Rural Tourism, Romania

² Romanian Academy - Branch of Timisoara, Research Center for Sustainable Rural Development of Romania

³ University of Zawia, Faculty of Economics, Libya

E-mails: andreafeher@usab-tm.ro; mikiraicov@gmail.com; cosminatoader@usab-tm.ro; claudiasirbulescu@usab-tm.ro; bensaleh@zu.edu.ly

The purpose of this article is to analyze the potential impact of climate change on food security. Global environmental changes coupled with socio-economic changes are a major food security issue and challenge. The main findings show that all four key elements of food security, namely availability, stability, use and access are significantly affected by changes in the environment. The most vulnerable segment of the population is those whose living conditions and livelihoods are strictly dependent on climate change and their ability to adapt is the lowest due to household income. This category includes children and women, poor people, the elderly and all those who depend on agriculture, animal husbandry, fishing and other natural resources.