

BIOFUELS TO FOOD INSECURITY: ARE WE RESPONSIBLE ?

IMEN TURKI – ABDELHEDI¹, ALAIN CLEMENT² & SONIA GHORBEL – ZOUARI³

¹Research Scholar, Département of Economics, Faculty of Economics and Management of Sciences

Sfax (FSEGS), Tunisia

²Lecturer, Department of Economics, (Faculty of Law, Economics and Social Sciences), Université François Rabelais de Tours

France

³Professor, Department of Economics, Higher Institute of Business Administration of Sfax (ISAAS), Tunisia

ABSTRACT

Our study analyzes the impact of biofuel production on food security in Africa for a period of 11 years (2000-2010). The estimated after verification tests (Fisher specification, Hausman specification test, test and test heteroscedasticity autocorrelation) model is the fixed effects model. Our results highlight the influence significantly positive biofuel production and purchasing power on food security in Africa. While food trade openness exacerbates the situation of malnutrition in this region as it has a positive effect on our dependent variable. By cons, population growth has no effect on food insecurity.

KEYWORDS: Africa, Biofuels, Food Insecurity, Fixed Effects Model, Panel Data