

ENVIRONMENTAL DEGRADATION, ENERGY CONSUMPTION, POPULATION DENSITY AND ECONOMIC DEVELOPMENT IN LEBANON: A TIME SERIES ANALYSIS (1971-2014)

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ABSTRACT

This study has investigated the impact of energy consumption, financial development, economic development, population density and secondary school education on environmental degradation in Lebanon over the period of 1974 to 2014. ADF unit root test and ARDL bound test method of co-integration have been used for empirical analysis. The results show that energy consumption, financial development and population density have positive and significant relationship with environmental degradation in Lebanon. The results show that economic development has positive but insignificant relationship with environmental degradation. The results show that secondary school education has negative and significant relationship with environmental degradation in Lebanon. The estimated results show that for reducing environmental degradation, the Lebanese government should increase energy efficient methods of production as well as increase the educational level.

Keywords: *economic development, population density, environmental degradation*