Abstract
The main objective of this research is to evaluate the long term relationship between energy consumption and GDP for some Latin American countries in the period 1980-2009. The estimation has been done through the non-stationary panel approach, using the production function in order to control other sources of GDP variation, such as capital and labor. In addition to this, a panel unit root tests are used in order to identify the non-stationarity of these variables, followed by the application of panel cointegration test proposed by Pedroni (2004) to avoid a spurious regression (Entorf, 1997; Kao, 1999).

Keywords
Energy Consumption, Economic Growth, production Function, panel.