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Exploring the determinants factors of recycling rate: An analysis for the plastic waste in Tunisia

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This research paper aims to examine the influence of financial (Price of Waste Disposal), institutional (Collection of waste, Drop-off recycling centers, Ordinance) and demographic determinants (Population Density) on recycling rate of plastic as a domestic waste on a Panel of 24 governorates from Tunisia Country using a static model estimated by the Ordinary Least Squares (OLS) over the 2001- 2018 period. We also implement this empirical model for 24 governorates from only country selected on the base data availability. They include *Ariana, Beja, Ben Arous, Bizerte, Gabes, Gafsa, Jendouba, Kairouan, Kasserine, Kebili, Kef, Mahdia, Manouba, Medenine, Monastir, Nabeul, Sfax, Sidi-Bouzyd, Siliana, Sousse, Tataouine, Tozeur, Tunis, and Zaghouan*. It is concluded from empirical findings that all exogenous variables expect population density have significant effect on recycling rate. Consequently, this is a great improvement in the Tunisia environmental system of waste management.

Biography

Lamia Ben Amor has her expertise in evaluation and passion in improving the environment and during of sustainable development. Her open and contextual evaluation model based on responsive constructivists creates new pathways for improving the sector of recycling. She has built this model after years of experience in research, evaluation, visiting environmental institutions and exploring several places of reusing and recycling waste. The foundation is based on fourth generation evaluation (Kinamman and Fullerton, 1996) which is a methodology that utilizes the previous generations of evaluation: measurement, description and judgment. It allows for value-pluralism. This approach is responsive to all stakeholders and has a different way of focusing.

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