## IMPACTS OF URBAN POLLUTION ON UNDERPRIVILEGED POPULATION HEALTH: A CASE STUDY OF THE CITY OF ANTANANARIVO, CENTRAL MADAGASCAR

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The problems of economic growth, social and educational development, urbanization and low protection of the environment are recognized in the city of Antananarivo. These are acute in urban areas and impact on public health, poverty alleviation and sustainable development. The rural-urban migration activated by the search for increased incomes has resulted in the concentration of large populations in relatively small areas under poor conditions of sanitation. These areas are at risk of geological and environmental disasters and pose huge problems for waste management, supply of raw materials, water use and air quality. Thus, there are some illnesses due to the bad qualities of air, soil, water and hindrances due to the disruptions in the majority of the underprivileged population. Therefore, the impact of the pollution has reached a disturbing magnitude and is arousing public awareness. This paper examines the geogenic and anthropogenic sources, characterizes components of the pollution load and their health effects, and suggests practical guidelines for attaining useful solutions to the problem. Mass education and effective solid waste management must be involved in preventive remedial measures.

Keywords: urban pollution, impacts on health, underprivileged population