

ABSTRACT

The main objective of this study was to examine the role of forest in climate change in Morogoro Municipal, Tanzania. Three specific objectives were formed to reach the general objective. The specific objectives were: To identify human activities which contribute to affect forest ecosystem in Morogoro Municipal, to examine the awareness of communities on how forest contribute to change in climate in Morogoro Municipal and to examine social economic factors influencing climate change in Morogoro Municipal. A random sample of 205 respondents was selected for the study and a questionnaire was administered face to face to the respondents. The study found that the human activities which contribute to affect forest ecosystem in Morogoro Municipal are pollution, burning fossil fuels and deforestation. Community's awareness on how forest contribute to change in climate in the study area was that community is a solution for greenhouse gas emission, one third of the carbon dioxide is released from burning fossil fuels and community acts as a cause of climate change. Social economic factors influencing climate change in the study area are labor productivity, crimes, violent conflicts and migration. The study recommends that, the government should provide education program on the climate change and ways to mitigate climate change.

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