



Environment and Human Health Risks and Reduce the Use of Mosquito Coils in Sri Lanka

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Abstract

Today, there has been a rapid increase in use of mosquito coils in Asia, Africa and South American countries. It is undeniable that burning indoor mosquito coils emits a smoke that effectively controls mosquitoes. But this smoke causes a lot of damage to the environment and animals. The problem of this study is to find out mosquito coil burning affect the environment and the health of school children. According to the research of many scientists they have said that mosquito smoke contains a number of cancer-causing compounds. The purpose of this study is how to reduce the environmental pollution and human health risks. The primary data were collected through literature review were used as the research methodology. Human beings get respiratory diseases due to mosquito coil smoke. And the environment is also damaged. We find that pollutant concentrations from burning mosquito coils can significantly exceed health-based air quality standards or guidelines. Today, it seems that the percentage of respiratory diseases among school children in Sri Lanka is increasing rapidly. Asthma, Pneumonia, Tuberculosis...etc. are unique among them. The particles contained in coil smoke are found to be very fine. For example, burning one mosquito coils releases a mass of pm (2.5) equivalent to burning 75-137 cigarettes. These toxic chemicals affect the environment and health of human beings. These study findings indicate that many school children are unknowingly exposed to lung cancer through the burning of mosquito coils. 12.2% of lung cancer cases are reported in Sri Lanka. In order to reduce the burning of mosquito coils, measures such as applying citrus oil on the body of school children and burning cashew nuts can be taken to repel mosquitoes. According to the above Environment and human beings' health risks and reduce the use of mosquito coils in Sri Lanka.

Keywords: Mosquito coil, School children, Environment

