



**DETECTION OF LEAD IN MOSSES FOUND ALONG  
CONGRESSIONAL ROAD, CITY OF DASMARIÑAS, CAVITE**



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### ABSTRACT

Atmospheric particulates with high concentration of heavy metals particularly lead may have a serious impact on human health. Biomonitoring using moss has been extensively used to monitor atmospheric deposition of heavy metals and other trace constituents. In this paper, the species of mosses and its correlation with lead concentration was determined. There are five species of mosses belonging to four families found along the Congressional Road Dasmariñas City. The top three species of mosses were subjected to heavy metal analysis using Atomic Absorption Spectroscopy and it shown the absence of lead. However it is still not safe to conclude that Dasmariñas is free from pollutants as this test only tackled lead which is only one of other pollutants that could possibly be polluting the air and water at Dasmariñas. There are many other pollutants that are much more dangerous for human health. Tests for other heavy metals using other bionindicators should be conducted.



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