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The diversity of cyanobacteria from lake Andraikiba Antsirabe (Vakinankaratra region): First public health risk analysis

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This study was conducted at Andraikiba lake (Antsirabe, Vakinankaratra) in December 2017 till January 2018. It stands to physical and chemical parameters analysis, cyanobacteria's diversity and the risk likely caused by species founding there. The lake is a volcanic crater and have a 5km circumference, 51m maximal depth and is the principal water spring of Antsirabe's town. Seven (07) genre of cyanobacteria was founding there and have a stump toxins production as four of them were responsible for health problem leading to mortality in some countries. Andraikiba doesn't have any bloom's risk or toxicity but phosphor spreading by detergent, and other mineral erosions are lakes future problem. Some activities must be prohibited on the lake, and cells density evolution have to be followed for preventing sanitary security of Antsirabe consumable water.

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