

ABSTRACT

Tropical rainforest has one of the richest diversity on Earth. At the same time it is a complex and confusing environment, which makes estimation of local diversities and species abundance very hard. This literature review compares frequency, effectiveness and suitability of each method, which are used to detect diversity and abundance in tropical rainforest. It compares authors' reasons why do they use a specific method, in what kind of environment and what for was that methodology used in their study. Review presents even a few tropical rainforest specifications, which are not taken into account by current methods, even though they could have a large effect on quality and completeness of data sample. At the end it compares the most commonly used techniques (point – count and mist – net) and justifies their possible combinations. In conclusion it mentions the usage of recording devices as a suitable completion to research.

Key words:

Birds, point-count, line transect, mist-net, methodology, tropical forest