

# Review of: "Collective Córregos Da Tiririca- Restoration of Riparian Forest in a Stream Contributor of Itaipu Lagoon – Niterói- RJ"

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Potential competing interests: No potential competing interests to declare.

Title: Collective Córregos Da Tiririca- Restoration of Riparian Forest in a Stream Contributor of Itaipu Lagoon – Niterói- RJ- Brazil

## Comments

The authors assessed the impact of agroforestry restoration of riparian forest in a tributary of Itaipu lake, including its local biodiversity. Here the authors mentioned the methodological approach and experiences in agroforestry restoration of a riparian forest and assessed the arboreal plants and terrestrial and aquatic vertebrates. Since, my domain is in aquatic environment and fisheries, I focused more on reviewing the aquatic environment and fish diversity in the system.

In the methodology, I noticed that authors did not mention how authors have identified the collected fish specimens including the recently accepted taxonomic names. In general, for accepted taxonomic names researchers follows the Eschmeyer's Catalog of Fishes is used. In addition, sometimes using photographs only, it is very much difficult to identify up to species level without using classical taxonomical approach (morphometric and meristic counts of fishes). Further, seasonality one of the major causes for fish species richness in the stream and lagoon environment. Here, I found lacking its methodology I assessment if fish diversity. Here, I am skeptical about the taxonomic identifications of fish species from the study area.

In the methodology, I noticed that the authors did not mention how the authors identified the collected fish specimens including the recently accepted taxonomic names (did not mention references). Generally, Eschmeyer's catalog of fishes is used for accepted taxonomic names by researchers. In addition, sometimes when only photographs are used, it is very difficult to identify the fish species to the species level without using the classical taxonomic approach (morphometric and meristic counts). In addition, seasonality is one of the main causes of fish species richness in riverine and lagoon environments. This is where I found that there is a lack of detail methods in assessing fish diversity in the lagoon environment. And hence, I am skeptical about the taxonomic classification of the fish species from the

study area.

Furthermore, after reviewing the entire manuscript, it is likely that a splendid report rather than a research article.

Thanking you,