*** Immuno-haematological and growth responses of Nile tilapia exposed during dry season to agricultural effluents in Batran water reservoir, Benin ***

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General Introduction

This dataset contains data collected in situ at Batran water reservoir and at the Research Laboratory in Aquaculture and Aquatic Ecotoxicology at University of Parakou as part of Abdou Orou-Seko's Master' Thesis project (November-December 2019)

It is being made public both to act as supplementary data for publications and in order for other researchers to use this data in their own work.

The data in this data set was collected in situ situ at Batran water reservoir and at the Research Laboratory in Aquaculture and Aquatic Ecotoxicology at University of Parakou November 2019 and December 2019.

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Purpose of the experiment

The purpose of the experiments was to assess the immune, haematological, and growth responses of *Oreochromis niloticus* exposed to pollution from cotton field effluents

Test equipment

The Immunoglobulin test were performed using a spectrophotometer after centrifugation at 3500 rpm.

The haematology was measured using a haematocrit reader as a percentage to determine the packed cell volume (PCV).

The leukocyte formula was established by microscopic observation.

Description of the data in this data set

AM = Macrophage activity

T = temperature

IG = Immunoglobulin

Igf = final Immunoglobulin

Poches = Pens Units