

Effects of Sublethal Concentrations of *Parkia biglobosa* Pod on Weight Gain in the African Catfish, *Clarias gariepinus* Juveniles

Authors : M. I. Oshimagye, V. O. Ayuba, P. A. Annune

Abstract : The effect of Sublethal Concentrations of *Parkia biglobosa* pod extract on the growth and survival of *Clarias gariepinus* juveniles (mean weight $32.73g \pm 0.0$) were investigated under laboratory conditions for 8 weeks using the static renewal and continuous aeration system. Statistical analysis showed that fish exposed to various concentrations had significantly lower ($P < 0.05$) growth rate than the control groups. The reduction in growth was observed to be directly proportional to increase in concentration. However, at 50 mg/L no significant depression in weight was observed.

Keywords : *Clarias gariepinus*, *Parkia biglobosa*, pod, weight

Conference Title : ICSR 2020 : International Conference on Scientific Research and Development

Conference Location : Chicago, United States

Conference Dates : December 12-13, 2020