

Research Article

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A Study on the Specific Growth Rate (SGR) at Different Stages of Tilapia (*Oreochromis niloticus*) Production Cycle in Tank Based Aquaculture System

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Author(s): Md. Hashibur Rahman*, Mohammad Mahfujul Haque, Mohammad Ashraful Alam and Flura

The conventional assessment of the specific growth rate (SGR) avoiding intermediary data is highly criticized by scholars as to the data of the beginning and the end of the production cycle usually considered for the measurement. To evaluate the SGR, the study was conducted in six concrete tanks under an outdoor laboratory shed from 10th May to 29th July 2017. Tilapia ...

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Nutrient utilization and growth performance of African Catfish (*Clarias gariepinus*) fed varying levels of Composite Meal (CM) in replacement of fishmeal

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Author(s): Akinloye Emmanuel Ojewole*, Emmanuel Olujimi Fatureti and Christianah Ihundu

This study evaluates the nutrient utilization and growth performance of African catfish (*Clarias gariepinus*) fed alternative animal protein composite meal for 42 days. The composite meal is composed of feather meal, blood meal, tilapia meal, and maggot meal each in a 25% proportion. Five isonitrogenous diets (T1, T2, T3, T4, and T5) containing 40% crude protein were f ...

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Effects of inbreeding depression on the success of artificial reproduction in the African catfish *Clarias Gariepinus* (BURCHELL, 1822)

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Author(s): Mbaye Tine*, Fatou Ndiaye, Khady Bale, Louis Dossou Magblenou and Malick Aliou Sene

The objective of this study was to establish an effective method of artificial reproduction and larval rearing to improve the fry production of the African catfish *Clarias gariepinus*. Thus, a hormonal treatment using ovaprim was used to induce maturity in males and females. Two breeding trials were first conducted on captive populations by crossing a male and female S ...

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Nutritional, phytochemical and biochemical composition of (*Moringa Oleifera*) raw seed, seed cake, and leaf meal for Aquaculture feeds

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Author(s): Argungu LA*, Umar F, Jibrin H and Hashim A

The study was conducted on the nutritional and biochemical composition of the *Moringa oleifera* plant (Seed, Seed Cake, and leaf meal) at two different locations. The proximate and mineral composition were carried out at the Central Laboratory of the National Institute for Fresh-water Fisheries Research (NIFFR), New Bussa, Niger State, while the Biochemical and phytoch ...

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Secondary metabolites production combined with lead bioremediation by *Halamphora* sp. marine diatom microalgae and their physiological response

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Author(s): Ines Dahmen-Ben Moussa*, Saoussan Boukhriss, Khaled Athmouni and Habib Ayadi

This study was designed to investigate the physiological and biochemical response of the diatom microalgae *Halamphora* sp. (SB1 MK575516.1) to the toxicity of lead (Pb) as well as its ability as phytoremediation. Four different concentrations of Pb (50, 100, 150, and 200 mg L⁻¹) were applied for 10 days. Fatty acid profile, mineral composition, secondary metabolite con ...

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