

Research Article

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Phytochemical Screening of Moringa oleifera Leaf Extracts under Different Solvents

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Author(s): Onuoha Stanley Obialo*, Ajani Emmanuel Kolawole and Jenyo-Oni Adetola

The rich nutrients and essential phytochemical compositions in the Moringa plant make it suitable and useful as a phyto-genic feed additive to optimize feed efficiency and boost growth and reproduction in humans and animals. Various metabolites and bio-active ingredients contained in the leaves of Moringa oleifera have pharmacological, therapeutic, and physiological va ...

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Anthropic Interventions: Imposing Ecological Risk to the Natural Spawning Ground of Major Carps in Bangladesh

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Author(s): Mohammad Ashraful Alam*, Flura1, Md. Hashibur Rahman, Md. Istiaque Haidar, Azhar Ali, Ahmed Ishtiaque Amin Chowdhury, Md. Harunor Rashid, Md. Amirul Islam and Anuradha Bhadra

Bangladesh Fisheries Research Institute conducted a study to evaluate heavy metal contamination in the sediment of the Halda river. Data were collected from four locations: Khondokia Khal, Katakhal, Madari Khal, and Madarsha.

Concentrations of eight heavy metals (Cd, Cr, Ni, Cu, Fe, Mn, Pb, and Zn) were measured, with Cd ranging from 0.04 to 0.96 mg kg⁻¹, Cr from 18. ...

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Optimization of Stocking Density for Improved Growth and Aquaculture

Production of Euryhaline Tilapia, *Sarotherodon melanotheron*

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Author(s): Mbaye Tine*, Maurice Correa, Moussa Guèye, Hamet Diaw Diadhiou and Mbacké Sembene

The study evaluates the impact of stocking density on the growth and survival of *Sarotherodon melanotheron* heudelotii juveniles in seawater, focusing on their performance under different stocking densities and fertilization regimes. One hundred sixty-two (162) *S. melanotheron* juveniles, each weighing approximately 3 grams, were used to test the effects of different de ...

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Impact of Climate Deviation on Reproductive Profile of Nile Tilapia, *Oreochromis niloticus* (Linnaeus, 1758) from the Tons River, India

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Author(s): Amitabh Chandra Dwivedi* and N Mishra

Nile tilapia, *Oreochromis niloticus* is among the leading farmed species around the world as well as a powerful invader in many countries globally. Studies were undertaken during the period from February 2019 to January 2020 from the lower stretch of the Tons River at Prayagraj, Uttar Pradesh, India. During the sampling period, 683 fish specimens of Nile Tilapia, Oreoc ...

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