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Research Article

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Decadal Variation of Dissolved Oxygen in the Lower Gangetic Delta Water

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Author(s): Abhijit Mitra*, Subrata Trivedi, Sangita Agarwal, Sujoy Biswas, Prosenjit Pramanick and Sufia Zaman

We analyzed the Dissolved Oxygen (DO) level in the surface water off Namkhana, a sampling station in the lower Gangetic delta region. Our three decade analysis in three different seasons (premonsoon, monsoon and postmonsoon) exhibits a decrease in the DO value with the passage of time. Based on the DO value we carried out a preliminary Water Quality Index (WQI) analys ...

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Pre-Scaling Up of Solar Tent Fish Drier in Northern and North Western Part of Lake Tana, Ethiopia

Published On: November 23, 2015 | Pages: 048 - 053

Author(s): Erkie Asmare*, Dereje Tewabe, Birhan Mohamed and Beniyam Hailu

Solar tent fish drier (STFD) reduce post-harvest losses, thereby ensuring continuous availability of cheap animal protein. This study aimed to: (1) minimize post harvest losses by improving the shelf life dried fish; (2) enhance technology multiplication and dissemination system; (3) create clear insight about the technology implementation. This study was carried out ...

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The Efficacy of Clove Seed Extracts as an Anaesthetic Agent and Its Effect on Haematological Parameters of African Catfish (Clarias Gariepinus)

Published On: October 17, 2015 | Pages: 042 - 047

Author(s): Ojo Andrew Akinrotimi*, Ugwemorubong Ujagwun Gabriel and Olajumoke Modupe Edun

Background and Aim: The intensive nature of aquaculture has subjected fish to a number of stressors in the culture medium, anesthetics are widely used to minimize the issue of stress during farming operations and activities. Clove oil is a well known, established and acceptable anesthetics commonly used in aquaculture, this anesthetics is not readily available in deve ...

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Agar-based Biocomposites slow down Progression in the Reproductive Cycle Facilitating Synchronization of the Gonads of Reared Specimens of *Paracentrotus lividus*

Published On: October 14, 2015 | Pages: 035 - 041

Author(s): Adele Fabbrocini, Maria Grazia Volpe, Elena Coccia, Raffaele D'Adamo and Marina Paolucci*

Background: Biopolymers have many fields of application. In Echiniculture they are usually employed to bind trial diets, although a systematic study on the performances of biopolymers as feed binders is lacking. ...

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Analysis on the Molecular Biologic Characteristics and Expression of Lysozyme C Separated from *Oplegnathus fasciatus*

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Author(s): Dong-Hee Jo, Dae-Won Park, Cheul Min An, Bo-Hye Nam, Ji-Min Jeong, Ju-Won Kim and Chan-il Park*

Background and Aim: lysozyme has been known as a significant component of the innate immune system of fish. It is reported that the g-type and c-type lysozymes have been identified in fish. *Oplegnathus fasciatus* is one of the economically important cultured species, generating higher market value and demands in Korea. Contrary to the heavy consumption of *O. fasciatus*, ...

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