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In this issue

Research Article

Open Access Research Article PTZAID:IJAFS-1-105

Molecular Cloning and Characterization of Dmc1 from the Chinese Mitten Crab (Eriocheir sinensis)

Published On: April 06, 2015 | Pages: 024 - 029

Author(s): Yuan Liu and Zhaoxia Cui*

Dmc1, a member of the RecA/Rad51 superfamily, is essential for meiotic recombination. In this study, a Dmc1 gene (EsDmc1) was identified from screening the larval transcriptomes of Chinese mitten crab Eriocheir sinensis. The full-length cDNA of EsDmc1 was 1478 bp long and contained a 1026 bp open-reading frame encoding 341 amino acids. The genomic fragment of EsDmc1 c ...

Abstract View Full Article View DOI: 10.17352/2455-8400.000005

Open Access Research Article PTZAID:IJAFS-1-103

Status of Lake Tana Commercial Fishery, Ethiopia

Published On: February 22, 2015 | Pages: 012 - 020

Author(s): Dereje Tewabe*

The status of Lake Tana Fishery was evaluated from analysis of commercial catch data of number I fishers cooperative. The data collection has been carried out from September 2003 to September 2009. Results indicated that Nile tilapia (Oreochromis niloticus), African catfish (Clarias gariepinus) and species flock of endemic, large Labeobarbus spp. were the three main s ...

Abstract View Full Article View DOI: 10.17352/2455-8400.000003

Open Access Research Article PTZAID:IJAFS-1-101

Impacts of Furrow Irrigation on Shesher and Welala Natural Reservoirs of Lake Tana Sub Basin, Ethiopia

Published On: December 12, 2014 | Pages: 001 - 005

Author(s): Dereje Tewabe*

The survey was conducted from March 2012 to March 2013 based on field observations and samples. Shesher is natural reservoir of Lake Tana found at coordinates of 0350300 and 1322162 UTM and at altitudes 1805 a.s.l. Welala natural reservoir is found at UTM coordinates of 0348348 and 1326081 with altitude of 1804 a.s.l. The area of Shesher and Welala was estimated about ...

Abstract View | Full Article View | DOI: 10.17352/2455-8400.000001

Review Article

Open Access Review Article PTZAID:IJAFS-1-102

Climate Change Challenges on Fisheries and Aquaculture

Published On: December 12, 2014 | Pages: 006 - 011

Author(s): Dereje Tewabe*

Climate change poses new challenges to the sustainability of fisheries and aquaculture systems, with serious implications for the 520 million people who depend on them for their livelihoods and the nearly 3 billion people for whom fish is an important source of animal protein [1]. Two-thirds of all reefs are in developing countries, and 500 million people in the tropi ...

Abstract View | Full Article View | DOI: 10.17352/2455-8400.000002

Editorial

Open Access Editorial PTZAID:IJAFS-1-104

Compositional Alteration of Fin Fish due to Climate Change Induced Oscillation of Hydrological Parameters

Published On: March 31, 2015 | Pages: 021 - 023

Author(s): Abhijit Mitra*

Climate change in the lower Gangetic delta has caused an increase in water temperature and altered the salinity and pH of the aquatic phase. Such changes have caused a significant alteration in the diversity spectrum of fin fishes prevailing in the system. The Shannon Weiner species diversity indices computed from the catch of commercially important fin fishes

and tra ...

Abstract View | Full Article View | DOI: 10.17352/2455-8400.000004