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Research Article

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In Vitro Effect of Zinc: Evaluation of the Sperm Quality of Endangered Trout *Salmo Coruhensis* and Rainbow Trout *Oncorhynchus Mykiss* and Fertilizing Capacity

Published On: June 30, 2017 | Pages: 046 - 050

Author(s): Mehmet Kocaba and Filiz Kutluyer*

This study was intended to reveal the usefulness of Zinc in endangered trout *Salmo coruhensis* and rainbow trout *Oncorhynchus mykiss* sperm. Spermatozoa were activated in sperm motility-activation solutions (NaCl, 0.3%; NaHCO₃, 1%) containing the Zinc [Control (0), 0.5, 1, 2, 3, 4 and 5 mM]. ...

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Dose Dependent Treatment with Boric Acid Induces More Changes in the Sperm Cells of Endangered Anatolian Trout *Salmo Rizeensis*

Published On: June 29, 2017 | Pages: 042 - 045

Author(s): Filiz Kutluyer* and Mehmet Kocaba

The aim of this study was to test the usefulness of boric acid for endangered Anatolian trout *Salmo rizeensis* sperm. Activation media was supplemented with boric acid (0.5, 1, 2, 3, 4 and 5 mM). Sperm motility and duration were determined in sperm samples. ...

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Comparison of the Crossbreeding Effects of Three Mandarin Fish Populations and Analyses of the Microsatellite Loci Associated with the Growth Traits of F1 Progenies

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Author(s): Qingkai Zeng, Chengfei Sun, Junjian Dong, Yuanyuan Tian and Xing Ye*

Cross breeding with different populations might lead to heterosis and enhance the genetic diversity of the resulting offspring. In this study, three populations of mandarin fish (*Siniperca chuatsi*), including two cultured (A and B) and one wild population (C), were used to construct three pure groups (A×A, B×B, C×C) and six crossbred groups (A×B, A×C, B

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Miscellaneous Marine Fishes Caught under PFZ and Non-PFZ Realm off Ratnagiri Coast, Maharashtra State, India

Published On: May 16, 2017 | Pages: 030 - 034

Author(s): Tingote RS and Mane UH*

Potential Fishing Zones connote where Chlorophyll Concentration and Sea Surface Temperature together constitute better environment for the healthy growth of fish and food abundance. ...

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Review Article

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Exposure of Fishery Resources to Environmental and Socioeconomic Threats within the Pantanal Wetland of South America

Published On: May 04, 2017 | Pages: 022 - 029

Author(s): Cleber JR Alho* and Roberto E Reis

The huge Pantanal wetland, located in the central region of South America, mainly in Brazil, formed by the Upper Paraguay River Basin, comprising 150,355 km² (approximately 140,000 km² in Brazil), is facing environmental and

socioeconomic threats that are affecting fish populations and fishery resources. ...

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