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

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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]. ...

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

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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. ...
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×C, B×A, C×A, C×B).

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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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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. ...