

Biologist Master's degree in Animal Science, Fish Farming

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Abstract

Brazil has been standing out worldwide as the world's breadbasket. Our production of grains, meats and milk reaches thousands of tons per harvest. However, there are a large number of poor micro and small producers who do not earn enough income to earn a decent life. My job, through the National Rural Learning Service (SENAR), located in the state of Minas Gerais, is to train and train rural producers and their families in fish farming, the Pisciculture freshwater, mainly Nile tilapia, causing them to increase family income and consequently improve living conditions.

Aquaculture and fisheries refer to breeding and harvesting water plants and animals for commercial purposes. The aquaculture discipline studies biological processes related to fish farming technologies. The field of aquaculture assists in the demand for seafood and also enables existing fisheries remain sustainable and consistent. The aquaculture and fisheries discipline borrows theories from other disciplines like: biology, animal sciences, biodiversity and conservation.

Topics covered by programmes in aquaculture and

fisheries include: animal diversity, introductory microbiology, shellfish aquaculture, genetics of fish, politics of the ocean, fish processing, aquaculture systems engineering.

By studying aquaculture and fisheries, future professionals use theories and concepts, develop knowledge of animal breeding, processing and evaluation of their productions. Students will understand and adapt scientific knowledge in aquaculture and natural resource conservation, planning and development. An aquaculture specialist will keep up to date with innovations in the fisheries sector and may take up responsibilities such as protecting resources from overfishing, the dangers of industrial waste and pollution.

Biography

Alexandre Rodrigues da Silva is working as Professor/Instructor of Fish Farming and Environmental Sanitation in Brazil