

Title III: Faculty Development Mini-Grants - Report

Academic Year 2006-2007

Project Title: “Effect of Salinity Stress on the Total Protein Content of Fish Eggs”

Project objectives

The purpose of this project was to investigate the effect of salinity on the quality of fish eggs based on the total protein content.

The need to be met by the project was to acquire basic laboratory essentials to establish a functional research lab so that: i) the faculty (grantee/investigator) could be actively involved in research, and ii) to open the opportunity for undergraduate student research

Project Progress

The laboratory setup needed to do the project is complete, and the eggs for protein analysis has been collected and stored for future determination of total protein using commercially available assay kits. It is the intent of the faculty to recruit undergraduate student to complete the analytical aspect of the research.

Project Benefits

The Title III grant has very much helped the faculty to have certain basic laboratory items that will be required to do research, and to purchase items that are essential to set up an aquaria facility to maintain fish for this project and other future studies. Furthermore, the grant has improved the faculty’s position to seek for undergraduate students that may be interested to do research in fish.

Some of the items acquired, such as micropipettes and vortex mixer, are durable items and have wide application in the biological sciences that they can be used for research by other faculty and senior students of the department. This is an added benefit of the grant.

Expenditures

The grant money allotted for the project has been expended on supplies and equipment needed to do the project.

1. Supplies (2/08-2/21)	\$821.11
2. Supplies (5/11)	\$150.25
3. Aquarium guys	\$97.82
4. PetSmart	\$52.58
5. Aquatic Research	\$510.00
6. Fisher Scientific	\$111.84
7. Fisher Scientific	\$104.25
8. Fisher Scientific	\$313.59
9. Aquarium Guys	\$ 69.71
10. Fisher Scientific	\$116.00