

# A PRACTICAL APPROACH TO INTEGRATING NANOTECHNOLOGY EDUCATION INTO AGRICULTURE AND ENVIRONMENTAL SCIENCE CURRICULUM

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## **Abstract**

*The emerging field of nanotechnology is leading to a technological revolution in the new millennium. The academic community is reacting slowly to prepare the future Agricultural workforce for emerging opportunities in nanotechnology. Recent advances in agriculture-related nanotechnology have created the need for providing students with the knowledge and skills necessary for a wide range of career opportunities in nanoscience. This project supports integration of new lecture materials and laboratory experiments in existing undergraduate and graduate courses of Agriculture and Environmental Science curricula at LU with the focus on materials related to current nanotechnology research. In addition faculty awareness will be elevated on advances of nanotechnology in agricultural science. Another important aspect of this project is to educate qualified minority students with the necessary knowledge and skills to interact and to provide leadership in the emerging world of nanotechnology.*