



# WRRI

## **New Mexico Water Resources Research Institute**

New Mexico State University, MSC 3167  
P.O. Box 30001, Las Cruces, NM 88003-8001  
(505) 646-4337 Fax 646-6418  
<http://wrri.nmsu.edu>

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Contact: Cathy Ortega Klett 505-646-1195

### **STUDENT WATER RESEARCH GRANTS ANNOUNCED**

The New Mexico Water Resources Research Institute (WRRI) has announced recipients of the 2007-2008 Student Water Research Grant Program. This program funds water-related research projects conducted by students at any of New Mexico's universities.

The program encourages and supports graduate and undergraduate student research in disciplines relevant to water resources issues and assists New Mexico educational institutions in developing student research expertise and capabilities. Students will begin research on these projects in August 2007 and will complete their projects in just over a year. The WRRI monitors the student projects, and updates are available at the institute's website at [wrri.nmsu.edu/research/researchprogram.html](http://wrri.nmsu.edu/research/researchprogram.html).

#### **New Mexico State University**

Veera Ganeswar Gude, Civil Engineering Department, "Feasibility Study of Wastewater Purification by Low Temperature Distillation Method"

Wade Berry, Agricultural Economics and Agricultural Business Department, "New Mexico Water Rights Prices Database Development"

Jimmy Moreno, Civil Engineering Department, "Estimating Evaporation from Elephant Butte Reservoir with the Monin Obukhov Similarity Theory Using Simple Instrumentation"

Royce Stevens, Geography Department, "Development of a Fine-Scale GIS System for Modeling Monsoon Season Flash Flood Events in the Lower Rio Grande of New Mexico"

Arely A. Torres, Chemical Engineering Department, "Drinking Water Purification for U.S.A.-Mexico Border Region"

Dipendu Saha, Chemical Engineering Department, "Carbon Nanotube-Based Biosensor for Pathogens Concentration and Detection"

Sylvia Nemmers, Plant and Environmental Sciences, "Land Application of Wastewater Containing Arsenic: Impacts on the Sorption and Mobility of Arsenic in Soil"

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Ciara Cusack, Animal and Range Sciences, “The Effects of Acequias and Riparian Evapotranspiration on the Rio Grande Flow Levels”

Elena Sevostianova, Plant and Environmental Sciences, “Investigating Potential Salt Contamination of Aquifers from Irrigated Landscapes”

**New Mexico Highlands University**

Celestine Ngam, Department of Natural Sciences, “Arsenic Adsorption and Desorption in Storrie Lake Sediments”

Bildad Eta Eyong, Department of Natural Sciences, “Bioassessment of Arsenic Contamination of the Gallinas River Using Benthic Macroinvertebrates”

**New Mexico Tech**

Andrea Higdon, Department of Chemistry, “Iron(II) Oxidation in New Mexico Waters: Experimental Development of a Molecular-Level Predictive Model”

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The New Mexico Water Resources Research Institute is a nonprofit organization that funds water related research projects at all of New Mexico’s universities.