



# WATER RESOURCES RESEARCH INSTITUTE UNIVERSITY OF THE DISTRICT OF COLUMBIA



## 2007- 2008 RESEARCH PROJECTS

### **Gradual Variation Analysis for Groundwater Flow in the District of Columbia**

Principal Investigator: Dr. Li Chen  
University of the District of Columbia

### **Modeling of an Integrated Urban Wastewater System in the District of Columbia**

Principal Investigator: Dr. Tolessa Deksissa  
University of the District of Columbia

Co-Investigator: Dr. Pradeep K. Behera, P.E.  
University of the District of Columbia

### **Decision Support System to Deal with Water Emergencies for Metropolitan DC**

Principal Investigator: Dr. Shivraj Kanungo  
George Washington University

Co-Investigator: Dr. Pradeep K. Behera, P.E.  
University of the District of Columbia

### **Molecular Signaling by Environmental Arsenicals in Mammalian Cells**

Principal Investigator: Dr. Deepak Kumar  
University of the District of Columbia

### **Active Biomonitoring for PCB, PAH and Chlordane Pollutants in the Nontidal Sources of the Anacostia Watershed**

Principal Investigator: Dr. Harriette L. Phelps  
University of the District of Columbia



## MISSION

The Water Resources Research Institute's mission is to provide the District of Columbia with interdisciplinary research support to identify DC water resources problems and contribute to their solution.

## ABOUT US

The Water Resources Research Institute (WRI) of the University of the District of Columbia was created in 1973 by the Water Resources Research Act of 1964. WRI at UDC is one of 54 Land-grant Universities that hosts a Water Resources Research Institute. We are the only urban based Water Resources Research Institute in the Nation.

## RESEARCH

We coordinate and facilitate water resources related research projects through our Seed Grant Program, which funds research faculty and student interns from the consortium of universities in the District. The Institute's current list of research projects includes more than 175 published studies, technical reports, and proceedings.

## TRAINING

Through its projects, WRI has trained more than 200 undergraduate and graduate students. Most of these students have obtained B.S., M.S., or Ph.D. degrees in fields related to water resources. WRI also provides the opportunity for university faculty members in Washington D.C. to develop their expertise in water resources.

## OUTREACH

The WRI has been working in conjunction with the Water Quality Education Program Extension Agent in the development and distribution of fact sheets.