

Application for 2006-2007 TWRI Mills Scholarship

1. Name of Student: Kendra Johnson
2. Name and Contact Information for Faculty Advisor/Committee Chair
Dr. R. Karthikeyan
Assistant Professor
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3. Description of student's proposed research, emphasizing how it will address a water resources-related concern.

Kendra will be a key player in conducting water quality research on fate and transport of pathogens. She will conduct modeling studies to track pathogen sources in Texas watersheds. Pathogens are the most common water quality problem in streams and rivers in Texas watersheds. Kendra's research efforts and findings will help mitigate water quality problems and help the citizens of Texas lead a better life.

4. Proposed use of funds from this Scholarship.
This scholarship will be used to pay tuition and books.
5. Intended career path student anticipates pursuing.

I, Kendra Johnson, intend to obtain MS degree in Biological and Agricultural Engineering and then work for an environmental engineering consulting firm. As a consultant, I will assess client's facilities and determine their water quality concerns and provide them with recommendations for meeting local and state regulations. I plan to obtain my license as a professional engineer after several years of valuable experience in the engineering profession. After serving in the private sector, I would like to work in the public sector at a city or county level or work at the state level with regulatory agencies or perhaps pursue a doctoral degree in conducting valuable research in the area of water quality engineering. I anticipate gaining a broad spectrum of experiences to better enable me to understand the concerns for water quality in both the public and private sectors. Maintaining water quality and quantity is a growing concern for many areas around the country, especially in the State of Texas. I would like to be an influential person in the field of water resources engineering by actively addressing water quality concerns throughout my career.