

## Ongoing Projects

- 1. Adaptive response (from organismal to gene level) in largemouth bass following acute and chronic exposure to waterborne ammonia**

*Responsible:* Nathan Egnew, Dr. Amit Sinha

- 2. Dietary supplementation of Vitamin C to mitigate toxic effects of water borne ammonia in catfish**

*Responsible:* Amit Yadav, Dr. Vikas Kumar (*Kentucky State University*), Dr. Amit Sinha

- 3. Combined application of nutrient manipulation and hydrogen peroxide exposure to selectively control cyanobacteria growth and promote eukaryote phytoplankton production in aquaculture ponds**

*Responsible:* Dr. Amit Sinha, Dr. W. Reed Green (*U.S. Geological Survey, Little Rock*),  
Dr. S. Ntamatungiro, John Howe

- 4. Coping strategies in largemouth bass following osmotic challenge**

*Responsible:* Dr. Amit Sinha

- 5. Modulating effect of high environmental ammonia on water borne iron toxicity in largemouth bass**

*Responsible:* Nathan Egnew, Dr. Amit Sinha