

Profile

Amit Sinha is an **Asst. Professor** in water quality/fish toxicology. His research focuses on how natural (e.g. hypoxia, salinity, temperature, algal bloom, feed deprivation, exhaustive swimming) and anthropogenic (e.g. ammonia, metals, pesticides) stressors affect fish performance. He deciphers fish responses at various organizational levels spanning from whole fish to the genome.



Dr. Sinha has expertise on organismal (*growth, feeding efficiency, nutrient requirements*), physiological (*swimming performance, oxygen intake, nutrient metabolism*), cellular (*ultrastructural analysis*), biochemical (*oxidative stress and antioxidant analysis, fatty acids, amino acid metabolism and metal profiling*) and molecular analysis (*development of biomarkers, gene cloning, expression profiling and high-through put genomics*).

Current Research Project: http://www.uapb.edu/sites/www/Uploads/AQFI/People/Fac-ASinha_Current_Research.pdf

Dr. Sinha has taught various **courses** (undergrads and grads level) including Comparative physiology, Aquaculture, Fish physiology, Ecophysiology and toxicology, Environmental science and monitoring, Marine Biology, Anthropogenic impacts on ocean and Aquaculture, Limnology.

Dr. Sinha has published around 40 Research Paper in peer reviewed journals. For list of publication refer: <https://scholar.google.com/citations?user=x0y5uC8AAAAJ&hl=en&oi=ao>