

# Research Projects

## Research:

### (a) Completed:

1. Effects of spilled petroleum on Cross River and Akwa Ibom water, sediments and fisheries. This study involved the quarterly sampling of water, sediment and fish for physicochemical properties, heavy metals and total hydrocarbon for two years.
2. An Assessment of the effects of brewery effluents on a river in Ibadan, Oyo State. This study was carried out quarterly for two years to assess the physicochemical characteristics of Majawe River which received effluents from a major brewery in Ibadan for two years.

### (b) In Progress:

1. Physicochemical Studies of Awba and Eleiyele Lakes in Ibadan. Water, fish samples were analyzed for physicochemical characteristics and heavy metals over a 5-year period starting from 2010.
2. Potentials of crop residues and under-utilized plants in the nutrition of *Clarias gariepinus*. Several crop residues are still being tested for their anti nutritional factors and possible use in the diet of *Clarias gariepinus*.
3. Phytoremediation of water contaminated by heavy metals and oils using bracken fern (*Pteridium aquilinum*). Phytoremediation of zinc, nickel, lead and other heavy metals are being tested using biostimulants, without biostimulants and *Pteridium aquilinum* (bracken fern)

## Dissertation and Thesis:

Impact of Oil Spillage on the Fisheries Resources of Cross River and Akwalbom States, Nigeria. PhD Thesis, University of Ibadan (2004)