

# 5<sup>th</sup> Global Summit and Expo on Pollution Control

October 25-27, 2018 | Prague, Czech Republic

## A study of the air, soil and water quality of nkaliki mining site in abakaliki, Ebonyi state, Nigeria

**Arthur Nwachukwu**  
Federal University, Nigeria

The major causes of persistent environmental degradation in both rural and urban communities are industrialization and other developmental activities. These have not only shaken the serene and peaceful urban and rural environment but have also destroyed farm lands and contaminated water bodies being the basic sources of livelihood for poor rural communities. In this study, we investigated environmental quality of Nkaliki mining site with the aid of some digital equipment to ascertain if the mining activities have not started affecting the quality of life and productivity of the people. The concentrations of the detected environmental (air, water and soil) pollutants were compared with both national and international standards to determine if they have been exceeded. A case was made for intensification of environmental education amongst the rural dwellers. An Environmental Management Plan (EMP) was also produced and suggested for the mining company.