

Environmental Variables as Determinants of Students Achievement in Biology Secondary Schools in South West Nigeria

Authors : Ayeni Margaret Foluso, K. A. Omotayo

Abstract : This study investigated the impact of selected environmental variables as determinants of students' achievements in biology in secondary schools. The selected environmental variables are class size and laboratory adequacy. The purpose was to find out whether these environmental variables can bring about improvement in the learning of biology by Senior Secondary School Students. The study design used was descriptive research of the survey type. Two instruments were used that is, Biology Achievement Test and School Environment Questionnaire. The population of the study consisted of all Biology students in both public and private Senior Secondary Schools class III (SSIII) in all the three selected states in South West Nigeria. A sample of 900 Biology students and 45 Biology Teachers from both public and private Senior Secondary Schools Class III were used. Two research hypotheses were generated for the study. The data collected were subjected to both descriptive statistics of mean and standard deviation; and the inferential statistics of regression Analyses was employed to test the hypotheses formulated. From the results, it was revealed that the selected environmental variables had influence on the students' achievement in biology.

Keywords : environmental variables, determinants, students' achievement, school science

Conference Title : ICHE 2016 : International Conference on Higher Education

Conference Location : Boston, United States

Conference Dates : April 25-26, 2016