

INTERACTION EFFECT OF SCIENTIFIC ATTITUDE AND SCIENCE INTEREST
ON SCIENCE STUDY APPROACH OF SECONDARY SCHOOL STUDENTS

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OBJECTIVES

To find out the main effect of the independent variables scientific attitude and science interest on the dependent variable science studying approach.

METHODOLOGY

Method used : Survey method

Sample : 650 secondary school pupils from 12 schools of Kozhikode district.

Tool : A test of science attitude for secondary school students, Kerala university science interest inventory, Science studying approach inventory.

Statistical Techniques : Conventional procedure of 'σ' distance from mean 'M', Two-way ANOVA with 3×3 factorial design of unequal cell size, Two-tailed 't' test for mean difference in the case of large independent samples, Pearson's product moment co-efficient of correlation 'r', Test of significance of 'r', Confidence interval 'r'.

RESULT

The study reveals that there is significant main effect of scientific attitude and science interest on science studying approach.

KEY TERMS : interaction effect, scientific attitude, science interest, science studying approach, secondary school pupils.