

**INTERACTION EFFECT OF MATHEMATICAL BELIEFS AND ACHIEVEMENT
MOTIVATION ON ACHIEVEMENT IN MATHEMATICS OF SECONDARY SCHOOL
STUDENTS**

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Year of the study : 2017- 2019

OBJECTIVES

- To study the main effect and interaction effect of Mathematical Belief and Achievement Motivation on Achievement in Mathematics of secondary school students for the total sample

METHODOLOGY

Method used : survey method
Sample : 600 secondary school students
Tool : Mathematical Beliefs Inventory ,Scale of Achievement
Motivation in Mathematics

Statistical technique used : Descriptive statistics, independent sample t-test, One way ANOVA and Two way ANOVA with 2X3 Factorial Design.

RESULT:

The interaction effect of Mathematical Beliefs and Achievement Motivation on Achievement in Mathematics is not significant for the total sample even at .05 level. Therefore, the mean scores of Achievement in Mathematics at two levels of Mathematical Beliefs do not vary significantly for High- Average- Low Achievement Motivation groups of secondary school students for total sample.

KEY TERMS: Mathematical Beliefs, Achievement Motivation and Achievement in Mathematics.