

## **STUDY OF MICRONUTRIENTS THROUGH STATISTICAL DATA TREATMENT OF AGRICULTURAL SOIL OF BHUJ AND MANDVI SITES IN KUTCH DISTRICT**

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### **ABSTRACT**

In this research paper, selected statistical methods like discriminate analysis, ANOVA and Correlation analysis were used to find out the difference in the soil property of the two investigated sites of agricultural land. Site 1 is located towards dessert and site 2 located towards coastal region of Kutch district of Gujarat state in western India. With the help of discriminate analysis and one way ANOVA, we discovered that two investigated sites are different in terms of micro nutrition (Fe, Cu, Mn, Zn). Descriptive statistic (Mean) indicated that site 1 possess low micro nutrition with comparison of sites 2. Correlation analysis discovered that all micronutrients are moderate to highly correlate with each other. This study concludes that statistical analysis provides scientific bases for difference in the soil property especially in micro nutrition.

**KEYWORDS:** ANOVA, Bhuj, Correlation Analysis, Mandvi, Micronutrients