This thesis describes the work done towards the effect of microbial biofertilizers on the growth of two medicinally important plants—Stevia rebaudiana Bert. and Aloe barbadensis Mill. The complete study has been divided into the following eight chapters.

Chapter 1 deals with short introduction of the work done in thesis.

Chapter 2 introduces the phosphate solubilizing bacteria, their types and mechanisms of action. This chapter also deals with the Aloe barbadensis and Stevia rebaudiana as medicinal plants having commercial importance. It also presents the review of literature pertaining to interactions of phosphate solubilizing bacteria with other microorganisms and growth promotion of medicinal as well as food crops by the application of phosphate solubilizing microorganisms till date. There is also mentioned about the techniques available for identification and characterization of phosphate solubilizing microorganisms.

Chapter 3 describes the material and methods used in this work to study the effects of microorganisms as biofertilizers on Stevia rebaudiana and Aloe barbadensis.

Chapter 4 presents the results obtained from isolation, identification, characterization and application of phosphate solubilizing bacteria to Stevia rebaudiana and Aloe barbadensis as biofertilizers.

Chapter 5 presents the interpretations and comparison of the results.

Chapter 6 comprises of summary

Chapter 7 comprises conclusions of the work.

Chapter 8 contains all cited references.