

LIST OF FIGURES

| Chapter | Figure | Title | After page |
|---------|--------|--|------------|
| II | 1(A) | A moth bean plant showing its mat-like form of growth. | .. 24 |
| | 1(B) | A trailing branch of a mature moth bean plant | .. 24 |
| IV | 2 | Effect of NaCl Salinity on growth of <u>Phaseolus aconitifolius</u> | .. 39 |
| | 3 | Effect of NaCl salinity on shoot and root length in <u>P.aconitifolius</u> | .. 41 (a) |
| | 4 | Effect of NaCl Salinity on plant height and number of leaves plant ⁻¹ in <u>P.aconitifolius</u> | .. 43 |
| | 5 | Effect of NaCl Salinity of Leaf area and number of pods plant ⁻¹ <u>P.aconitifolius</u> | .. 44 |
| | 6 | Effect of NaCl Salinity on Biomass (Fresh and Dry matter plant ⁻¹) production and Dry matter of pods plant ⁻¹ in <u>P.aconitifolius</u> | .. 46 |
| | 7 | Effect of NaCl Salinity on RGR, LAR and NAR in <u>P.aconitifolius</u> | .. 46 |
| | 8 | Effect of NaCl Salinity on TAN (Leaf and Stem) in polyphenols and Chlorophylls in young and mature leaves of <u>P.aconitifolius</u> . | .. 50 |
| | 9 | Effect of NaCl salinity on soluble sugar content of <u>P.aconitifolius</u> leaves | .. 52 |

| Chapter | Figure | Title | After Page |
|---------|--------|--|------------|
| IV | 10 | Effect of NaCl Salinity on starch content of <u>P.aconitifolius</u> | .. 52 |
| | 11 | Effect of NaCl Salinity on total nitrogen content of leaf, stem, root and pods of <u>P.aconitifolius</u> | .. 56 |
| | 12 | Effect of NaCl Salinity on proline of leaf, stem and root of <u>P.aconitifolius</u> | .. 60 |
| | 13 | Effect of NaCl Salinity on Na ⁺ , K ⁺ and Cl ⁻ contents on K : Na ratio leaves of <u>P.aconitifolius</u> | .. 67 |
| | 14 | Effect of NaCl salinity on Ca ²⁺ , P ⁵⁺ , Mg ²⁺ and Fe ³⁺ contents of the leaves of <u>P.aconitifolius</u> | .. 70 |
| | 15 | Effect of NaCl Salinity on Na ⁺ , K ⁺ and Cl ⁻ content and K : Na ratio in the stem of <u>P.aconitifolius</u> . | .. 73 |
| | 16 | Effect of NaCl Salinity on Ca ²⁺ , P ⁵⁺ , Mg ²⁺ and Fe ³⁺ contents of the stem of <u>P.aconitifolius</u> | .. 75 |
| | 17 | Effect of NaCl Salinity on Na ⁺ , K ⁺ and Cl ⁻ contents and K : Na ratio in the roots of <u>P.aconitifolius</u> . | .. 77 |
| | 18 | Effect of NaCl Salinity on Ca ²⁺ , P ⁵⁺ , Mg ²⁺ and Fe ³⁺ contents of the root of <u>P.aconitifolius</u> . | .. 78 |