Effect of different levels of salinisation on the germinability, lengths of radicle and epicotyl (cm) and number of secondary roots in pigeonpea, chickpea, mungbean and soybean respectively.

Effect of different levels of salinisation on the dry weights (mg) of radicle and epicotyl in pigeonpea, chickpea, mungbean and soybean respectively.

Effect of different levels of salinisation on the growth rate (mg/day) of radicle and epicotyl during early seedling growth stages in pigeonpea, chickpea, mungbean and soybean respectively.

Effect of different levels of salinisation on the relative growth rate (mg/mg/day) of radicle and epicotyl during early seedling growth stages in pigeonpea, chickpea, mungbean and soybean respectively.

Effect of plant growth regulating substances on the germination percentage, dry weight (mg) of radicle and epicotyl and number of secondary roots in pigeonpea, chickpea, mungbean and soybean grown under saline conditions.

Effect of various levels of salinisation on the dry weight (mg/plant) of roots, stem, leaves, flowers and fruits in pigeonpea, chickpea, mungbean and soybean grown under pot culture conditions and its interaction with plant growth regulators.

Effect of different levels of salinity on the growth rate (mg/day) of roots, stem, leaves, flowers and fruits in experimental legume crops and its interaction with PGR substances.

Effect of different levels of salinity on nodule number per plant, 100 nodule dry weight (mg), rate of nitrogenase activity and the amount of nitrogen reduced (n. moles/mg nodule dry weight/h) in legume crops and their interaction with PGRs.

Effect of different levels of salinity on leghemoglobin content (ug/g fresh weight) in the leguminous crops and their interaction with PGRs.

Effect of different levels of salinity on the nitrogen content (ug/mg dry weight) of nodules, roots, stem and leaves in legume crops and its interaction with PGR substances.

Effect of different levels of salinity on the total, reducing and non-reducing sugars (mg/g dry weight) in soybean and chickpea and their interaction with PGRs.
Effect of different levels of salinity on total free amino acids content (µg/mg dry weight) in soybean and chickpea and their manoeuvrability through PGR substances.

Effect of different levels of salinisation on the total DNA and RNA contents (µg/g fresh weight) in soybean and chickpea respectively and their interaction with growth regulators.

Effect of different levels of salinisation on IAA-oxidase (µg/g fresh weight), peroxidase and polyphenol oxidase (units/g fresh weight) activities in soybean and chickpea and the manoeuvrability of their response through plant growth regulators.

Effect of different levels of salinity on glutamine synthetase, alanine aminotransferase and aspartate aminotransferase (units per mg protein) activities in soybean and chickpea and the manoeuvrability of their response through PGRs.

Effect of different levels of salinisation on the total sodium content (µg/mg dry weight) of nodules, roots, stem and leaves in soybean and chickpea and the manoeuvrability of their response through PGR substances.

Effect of different levels of salinity on the total potassium content (µg/mg dry weight) of nodules, roots, stem and leaves in soybean and chickpea and their interaction with PGR substances.

Effect of different levels of salinity on the sodium : potassium ratio (Na+/K+) of the nodules, roots, stem and leaves in soybean and chickpea and its interaction with PGRs.

Effect of different levels of salinity on the total calcium content (µg/mg dry weight) of different parts of the plants in soybean and chickpea and its interaction with PGR substances.

Effect of different levels of salinity on the total chloride content (µg/mg dry weight) in soybean and chickpea and its interaction with PGR substances.

Endogenous levels of auxins in the nodules of chickpea and soybean in relation to varying degrees of salinisation (data expressed as per cent increase (+) in the length of coleoptile sections over control).

Endogenous levels of gibberellins in the nodules of chickpea and soybean in relation to varying degrees of salinisation (data expressed as per cent increase (+) in the length second leaf sheath of seedlings over control).

Endogenous levels of cytokinins in the nodules of chickpea and soybean in relation to varying degrees of salinisation (data expressed as per cent increase (+) in the weight of cotyledons over control).

Endogenous levels of inhibitors substances in the nodules of chickpea and soybean in relation to varying degrees of salinisation (data expressed as per cent increase (+) in the abscission of explants over control).

Effect of different levels of salinity on the total plant dry weight, seed weight per plant, 100 seed weight and harvest index in the experimental legume crops and their manoeuvrability through plant growth regulating substances.