This thesis submitted for the degree of Doctor of Philosophy of the University of Calcutta deals with the *Distribution of Manganese in Indian Soils* and comprises the study of different forms of manganese (water soluble, exchangeable, reducible, active and total) in forty profile samples of uncultivated soils collected from plades distributed all over India (undivided). It consists of the following sections:

**Section I** deals with the role of manganese in soil in relation to plant and animal nutrition.

**Section II** deals with the object and scope of the present investigation.

**Section III** deals with the source and description of the materials and methods employed in this investigation.

**Section IV** deals with the results and discussions.

**Section V** deals with the agronomic aspects of the present study and indication of the area where nutritional diseases due to manganese are likely to occur.

**Section VI** deals with the summary and conclusions of the present investigation.