Preface

The research work presented in this thesis “In Vitro culture and bioactivity studies on Hybanthus enneaspermus (L.) F. Muell” has explored the phyto-pharmacological potential along with alternate methods for conservation/biomass production of the medicinal plant, H. enneaspermus, which is widely used in traditional systems of medicine. With this aim, an attempt was made to authenticate the plant using various pharmacognostic tools, to standardise in vitro techniques for rapid multiplication and production of biomass and to evaluate the unexplored bioactivities such as antioxidant and anticancer property of H. enneaspermus.

The thesis comprises six chapters. The first chapter deals with the introduction, scope, objectives and the schedule followed in the thesis, the second chapter presents the review of related work from various literatures and the third chapter includes the general procedures and materials used in this study. Following chapters, four to eight, explain the experiments conducted along with results and findings and their significance in relation to the present state of knowledge in the field. The ninth chapter presents a summary and conclusion of the entire work.