ACKNOWLEDGEMENT

At the outset, I submit that it is by the blessing of “Lord Jesus Christ” and my research supervisor. I have been able to successfully complete and present this humble piece of work for which I am extremely indebted.

I was really lucky to get Prof. N. SAVITHRAMMA, Department of Botany, Sri Venkateswara University, Tirupati as my research supervisor. The valuable suggestions, advices and critical discussion which helped me a lot for the successful completion of this research work within the prescribed period. The effort made by her helped me a lot in exploring the new techniques in the area of my research. I take this opportunity to extend my heartfelt gratitude and thanks to her.

I wish to express my profound indebtedness to Prof. N. Yasodamma, Head, Dept. of Botany, S.V. University, Tirupati for the facilities provided during the period of my research work.

It is with delight that I record here my deep sense of gratitude to the faculty members of Department of Botany, S.V.U., Tirupati Prof. G. Sudarsanam, Chairman BOS, Dr. T. Vijaya, Dr. J.S.R. Murthy, Dr. K. Madhava Chetty, Dr. M. Nagalakshmi Devamma, Dr. M. Santhosh Kumar and Dr. J. Kamakshamma for providing for necessary amenities required for the present study.

It gives me immense pleasure to express my deep sense of reverence and gratitude to Dr. R.V. Raveendra Babu, Pooja Hospitals, Tirupati for his constant encouragement.

My everlasting companionship with my seniors research colleagues of immense help, cooperation to me throughout my research work and I thank to Dr. S. Ankanna, Dr. M. Linga Rao, Dr.Y. Rathana raju, Dr. A. Kedarnath Reddy, Dr. A. Sasikala, K. Lakshmi, Dr. D. Suhrulatha, Dr. Beenaprabha, Dr. R. Hari Babu, P. Yugandhar, K.Siva Kumar, P. Rama Mohan and D. Rekha for their support during my research work.
I do acknowledge my sincere gratitude to Dr. K. Naveen kumar and R. Padma for their scholarly advice.

I am highly grateful to the DST for selected me as a Inspire fellow and providing me fellowship for entire tenure of my research.

I owe my gratitude to Sri Venkateswara University, Tirupati for their support to complete my research work.

I deeply acknowledge the help rendered by my friends Dr. Shaik Gousiya, M. Mahendranath and D. Chaitra for their constant moral support.

I am highly thankful to non teaching staff Sardar Basha, Milton Babu, Penchalaiah, Subramanyam, Nagamani, Bharathi, Lakshmaiah and Nagaraja for their timely help.

I would like to thanks our office staff and gardeners for their help and Mr. C. Suryanarayana and their team, Vinay Graphics, Tirupati for setting the thesis in a great look.

Words don’t suffix to express my deep sense of feelings towards my beloved Father Sri. Gaddala Ananda Rao, mother Smt. Gaddala Venkatarathanam, Younger brother Mr. G. Srushtty; Elder Brother Mr. G. Vennela, sister-in-law Smt. G. Pushpalatha, nephews G. Puneetchand and G. Hemsrushtty; Sister G. Kadali; brother-in-law Sri K. Praveen; Son K. Uday Kumar; daughter K. Lakshmi Srujana for their affection and prayers showered on me to reach this position. I express my gratefulness to them by dedicating this work as a mark of my respect and high esteem.

I pray the almighty to shower all the blessings upon all who helped me in one way or other to accomplish this piece of work.

G. Bhumi....