ACKNOWLEDGEMENT

I express my deep sense of gratitude to Dr. S.V. Singh (Supervisor), Associate Professor of Botany, M.L.K. (P. G.) College Balampur, U.P., India, for his able guidance and valuable instructions during research work. I am highly obliged for his admirable and erudite critical discussions and illuminating suggestions.

My all praises to “Almighty God” who bestowed upon me the wisdom and strength to complete this work. I am highly beholden and gratefully acknowledge my indebtedness to my father Dr. J. S. Chauhan, Associate Professor of Botany, M.L.K.(P.G.) College, Balrampur for providing necessary laboratory facilities and techniques during research work throughout, and for his sincere help in the preparation of the thesis. His capacity to combine critique with an immediate empathy and commitment towards research work always inspired me.

I am extremely thankful and owe my profound gratitude to Dr. O. P. Mishra, Principal M.L.K. College Balrampur and my teachers Dr. N. K. Singh, Dr. J. P. Tewari, Dr. V. K. Shukla, Dr. A. K. Singh for their generous encouragements and inspirations. I am highly grateful to Dr. Raj Kumar Chauhan for his sincere help and cooperation in the preparation of the thesis.

Special words of thanks goes to my colleagues Dr. Rajeev Ranjan, Dr.Himansu Dhar Dwivedi, Sri Suhail Ahmad, and sri Rajan Pratap Singh for their inspiring encouragements throughout the study and research.

I consider it my sacred duty to express my indebtedness and I acknowledge my sincere gratitude to my mother Smt. Madhuri Singh for her
kind cooperation and blessings during studies and research work and to my Husband Sri Rajan Kumar Singh for his affectionate enthusiasm, encouragements and motivation to achieve goal without which the work would not have been possible.

I am indebted and feel privileged to express my deep sense of gratitude to my Father in law Sri Arun Kumar Singh and Mother in law Smt Manju Singh, Brother in law Sri Rahul Kumar Singh and all the family members whose blessings and good wishes always boosted my morale and specially to my beloved daughter Gargee who need special mention due to her great patience and cooperation during research work.

In the last but not the least I put into words my gratefulness to my buas Dr. Shuchita Chauhan, Km. Ranjana Chauhan and Smt Prakashwati Chauhan and my brother Sri Piyush Singh Chauhan & Bhabhi Smt. Rekha Singh for their kind encouragements, inspirations and blessings.

Roli Chauhan

(Roli Chauhan)