ACKNOWLEDGEMENTS

The author avails privilege to express his deep sense of gratitude to Dr. K.N. Mishra (Supervisor), Head, T.D.P.G. College, Jaunpur, (U.P.) for suggesting the problem, guiding the work and for critically going through the manuscript of the thesis.

I am grateful to Dr. Uday Pal Singh, Principal, T.D.P.G. College Jaunpur and Dr. O.P. Singh ‘Solanki’, Department of Botany for their administrative support, valuable suggestions and for providing laboratory facilities.

The author is also thankful to all the teachers and other staff of Botany Department for their valuable suggestion and help during the work. The author is especially thankful to Dr. O.P. Singh Vatsa, Dr. P.N. Singh, Dr. H.N. Singh, Dr. M.P. Singh, Dr. Arvind Kumar Singh, and staff member of Botany Department for their valuable support.

I am very special gratitude is owed to my Father in Law Late H.L. Pal, father- Shree Amar Nath Pal, mother Smt. Kailashi Pal for their affection and encouragement given to me over the entire period of thesis work.

I owe my heartfelt thanks and gratefulness to My wife Mrs. Sangeeta Pal, brother Mr. Sanjeev Kumar Pal & Shri Nagendra Kumar (friend) and both sister Mrs. Suman, Mrs. Sushma, for their encouragement and moral supports during the work.
Thanks are also due to Dr. B.K. Singh Head, Department of Botany, R.H.S. P.G. College Singramu, Jaunpur and Prof. R.S. Ambshat Emeritus Scientist, B.H.U. Varanasi for moral supports throughout work.

It would be a blunder on my part if I fail to express my sincere thanks to Dr. Kripa Nidhi Yadav, Ajay Kumar Shukla, Devesh Kumar Mishra, Dr. Jaya Mishram, Smt. Sita Devi Mishra (wife of Dr. K.N. Mishra) and Dr. C.P. Shukla for being intimately and affectionately involved with me during the preparation of this manuscript.

In the last but not the least, I extend my sincere thanks to my daughter Km. Nightingal, Km. Nansi and Kunwar Sudhir for her untiring patience, deep appreciation and buoyancy.

Manoj Pal