ACKNOWLEDGEMENT

Firstly, I would like to express my sincere gratitude to my advisor **Prof. R.K. Khare** for the continuous support of my Ph.D. study and related research, for his patience, motivation, and immense knowledge. His guidance helped me in all the time of research and writing of this thesis. I could not have imagined having a better advisor and mentor for my Ph.D. study.

Besides my mentors, I would like to thank my parents mother Smt. Anubha Singh, father **Mr. Shivraj Singh** for their insightful comment and encouragement. I also mention thank to my mother in law **Smt. Angoori Devi**, father in law **Mr. Shankar Singh**, my husband **Mr. Alkendra Singh**, my sister **Shobhana** and brother **Pranav** for helping me in arranging field visits of study area, photography, and other logistics.

I am very thankful to **Dr. R.M. Agrawal** (Head Deptt. of Botany) **Dr. A.K. Jain**, **Dr. Rekha Bhadouriya** and **Dr. Avinash Tiwari** of Jiwaji University Gwalior for providing necessary guidance in completing the present investigation.

I am thankful to **Dr. M.R. Kaushal** (Ex. Principal) **Dr. B.P.S. Jadon** (Principal) **Dr. S.H. Qureshi**, **Dr. H.O. Sharma**, **Dr. Rakesh Kushwah**, **Dr. A.C. Raghuvanshi**, **Dr. D.P. Sharma**, **Dr. Vinod Sewariya** and **Dr. Seema Sharma** of S.M.S. Govt. Model Science College Gwalior for their valuable suggestions during the course of research.

I am very thankful to **Dr. G.P. Sinha** scientist ‘E’ Botanical Survey of India, CRC Allahabad (U,P.) for identification it voucher specimens.

I am grateful to **Mrs. Savita Khare**, **Mr. Divyansh Khare** and **Master Ayush Khare** for their affection and support.

Last but not least I am obliged to all 91 key informants of study area for their co-operation during the field work.

(Priyanka Singh)