ACKNOWLEDGEMENT

I deem it a matter of great privilege to express my sincere gratitude to my learned thesis advisor, my guide, Dr. Shailendra Singh Tomar, Head of the Department, Geography at K.R.G. College, Gwalior, for extending his continuous support for my Ph.D study and research. I thank him for his patience, motivation, enthusiasm, and immense knowledge which he kept showering on me time to time. Whenever I ran into a trouble spot or had a question about my research or writing he willingly and patiently guided me through. He consistently allowed this thesis to be my own work, while steering me in the right direction whenever he thought I needed it.

I also extend my special thanks to experts, to the heads of the various government departments; Mr. Jafar Ali, Draftsman (DFO) Divisional Forest Office, Mr. Yogesh Raikwar, Draftsman (DFO), Mr. Om Prakash Batham, Assistant Commissioner Statistics, Mr. P.P. Singh (P.A. to Commissioner) Land Record Department, Mrs. Shubhana Khan, Superintendent, Land Records, Mr. Ajay Singh Bhadouria, Block Technology Manager, Morar Gwalior, Mr. Singhal, Census Department Gwalior, Dr. Sunil Gudha, Meteorological Department, All officers of Deputy Director Agriculture office, Mr. Pran Singh, an innovative farmer and many others who helped me collect the data from primary as well as secondary sources. Without their guidance and support, the data and thesis could not have been successfully conducted.

Lastly, I must express and place on record my deepest sense of gratitude to my parents Mr. Balwant Madaan, Mr. Mohanlal Madaan, Mrs. Varsha Madaan, Mrs. Veena Madaan, sister in law Shilpa Madaan, brother Ashish Madaan, friend Lucky Sharma, my strength my husband Mr. Gaurav Madaan, son Heyansh and my family members for providing me with unfailing support and continuous encouragement throughout my years of study and through the process of researching and writing this thesis. This accomplishment would not have been possible without them.

Gursharan Kaur Madaan