ACKNOWLEDGEMENT

It is, indeed, a great privilege to express my sincere gratitude to my supervisors Professor (Dr.) I. C. Sharma, Ex-Director, The Technological Institute of Textile and Sciences, Bhiwani and Dr. R. Chattopadhyay, Professor, Department of Textile Technology, Indian Institute of Technology, Delhi, for their guidance, encouragement and taking keen interest at each and every stage of this work without which it would not have been possible to carry out this work to its present stage.

The author also wishes to convey sincere thanks to Sh. S.C. Garg (President), Shree Rajasthan Spinning and Weaving Mills Ltd., Mandapam, Bhiwara, for sponsoring the charges of Kawabata evaluation of the fabric samples.

I am highly grateful to my parents Ch. Dharam Chand Advocate and Smt. Chanderkanta. I am thankful to my wife Meenu for constant moral support. I am sincerely thankful to my brothers Sh. Sanjeev Chaudhary, Sh. Sanesh Chaudhary and my sister Smt. Punam Sardana. The author is obliged to Sh. Jagdish Sardana and Mrs. Mahesh Sardana for providing computer facility.

The author is extremely grateful to Prof. R. C. D. Kaushik, Ex-Director, TIT & S, who has given me a chance to do this work. The author is also deeply indebted to Prof. S. K. Sharma, Principal, M. L. V. Textile Institute for providing all the necessary facilities for this work. The author is also thankful to Prof. R. K. Singh, Director, TIT & S and Sh. V.K. Gupta, Principal (Officiating) M.L.V.T.I. Bhiwara for their invaluable help.

The author also wishes to convey sincere thanks to Sh. Dhirender Sharma and Sh. Shailender Sharma for extending full cooperation during the research work. The author is thankful to Late Dr. Nikhil Verma and Sh. Avinash Nandwani for constant encouragement and motivation. I am also thankful to Sh. Himanshu Chaudhary and Sh. Vijay Bhargav for providing timely help. The author is highly obliged to Dr. S. Dhamija for giving useful suggestions. The author also gratefully acknowledges the co-operation of Prof. S.K. Punj during testing of the samples. I am also grateful to Sh. Sharad Sharma for moral support.
I express my sincere thanks to Sh. Surender Vyas, without his cooperation, it was not possible to complete this work. I am also grateful to Sh. A. Kaniraja and Sh. R. C. Jain. The author is also thankful to Sh. S.N. Parashar, Sh. M.L. Saini, Sh. U. L. Suthar, Sh. Vijay Sharma, Sh. R.B. Yadav, Sh. Suresh, Sh. Puran, Sh. Jiya Lal and Sh. Ramavtar for providing necessary facilities in the laboratory.

Rajiv Kumar