ACKNOWLEDGEMENT

The author wishes to put on record his deep sense of gratitude to Professor G.N. Mathur, Head, Department of Plastics Technology, Harcourt Butler Technological Institute, Kanpur for his keen interest, painstaking guidance, consistent encouragement and constructive suggestions for the completion of this work.

I take this opportunity to thank Dr. D.A. Dabholkar, Joint Director, Head, Polymer and Fibre Division, Shriram Institute for Industrial Research, Delhi-110 007 for encouragement and valuable guidance from time to time and for providing all the facilities for completion of this work.

I am indebted to Dr. J.K. Nigam, Director, Shriram Institute for Industrial Research for granting permission to carry out this work at Shriram Institute and for using the facilities.

I am grateful to all members of Model Lab No.1 of Shriram Institute for Industrial Research for their keen interest and participation in the discussions from time to time. I am glad to recall the help
rendered by Mr. John George, Mr. P.K. Bhatia, Mrs. Madhumita Saroop, Mr. R.K. Singh, Mr. J.K. Gulati, Dr. S.K. Nigam, and Mr. Jagjeewan Mittal in preparation and characterization of samples.

I am grateful to Dr. A.K. Nagpal, Asstt. Professor, Department of Plastics Technology, Harcourt Butler Technological Institute, Kanpur for his valuable and generous help in several ways including guidance in preparation of this dissertation.

(V.P. MALHOTRA)