ACKNOWLEDGEMENTS

The author acknowledges his deep sense of gratitude and profound thanks to Dr. Gangadhar Sahu, M.Sc., Ph.D., Principal, Bhadrak College, Bhadrak, and Dr. P.L. Nayak, Ph.D., D.Sc., Laboratory of Polymers and Fibers, Department of Chemistry, Ravenshaw College, Cuttack, for their guidance, inspiration and constant help throughout the course of present investigation.

The author is grateful to Dr. (Mrs) Subasini Lenka, Ph.D., D.Sc., Department of Chemistry, Ravenshaw College, Cuttack for her helpful comments and valuable suggestions, and for the keen interest she has taken during the preparation of the thesis.

The author wishes to take this opportunity to pay tributes to his family members, particularly to Prof. Binbadhar Nayak, Ph.D., (London), Head, Department of Chemistry, IIT, Kharagpur for constant encouragements. He is also thankful to many of his friends and colleagues particularly to Prof. Purnendu N. Das, Prof. Jatindra N. Mohanty, Mr. Sanjay K. Nayak, Dr. Manoranjan Dash, Mr. Anil P. Das, Miss Suparna Roy, Mr. Indu B. Mohanty and Miss Anindita Basak and all other research workers of Laboratory of Polymers and Fibers, Department of Chemistry, Ravenshaw College, Cuttack for participating in various seminars and discussions which has greatly helped the author in clearing many of his doubts in connexion with the thesis.
The author wishes to express his gratitude to Prof. V. S. R. Gupta, Prof. A. M. G. Hasnain and to all his colleagues of Department of Chemistry, Bhadrak College, Bhadrak for providing necessary impetus for continuous research work.

The author is thankful to his student, Mr. Rabin德拉 K. Barik, Senior Research Fellow, Department of Chemistry, IIT, Kanpur and to the Director, Central Drug Research Institute, Lucknow for recording IR, UV, and NMR spectra.

The author is grateful to the authorities of Bhadrak College, Bhadrak for providing laboratory and library facilities.

Lastly, the author is grateful to University Grants Commission, New Delhi for financial assistance and indebted to Mr. R. C. Singh for skilfully typing the manuscript and to Mr. P. Sahoo for drawing the graphs and spectra.

Shashadhar Samal

Department of Chemistry
Bhadrap College,
Bhadrap 756100
Orissa, India
January 1985