PREFACE

This thesis is the final work of my Ph.D. study entitled **'Investigations on the physical properties of some liquid crystalline compounds and multi-component mixtures'** at the Department of Physics, University of North Bengal from August 2010 to July 2015. The entire experience was a cacophony of ups and downs. I have gained hands-on experience in using the high-tech machinery and software needed to carry out different experiments. It is truly a learning process. I have acquired immense understanding on the subject by consulting many books, documents and references on this subject.

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