

Preface

Every book is initially just a concept; it takes months of research and hard work to give it the final shape in which the readers receive it. In its early stages, this book also went through rigorous reviewing. The notable contributions made by experts from across the globe were first molded into patterned chapters and then arranged in a sensibly sequential manner to bring out the best results.

DNA replication is a basic part of the life cycle of all the organisms. Many characteristics of this process show thorough conservation across organisms in all domains of life. This book outlines and reviews the present condition of knowledge on numerous crucial aspects of the DNA replication procedure. DNA replication is a crucial process in both development and growth and in relation to a wide variety of pathological conditions including cancer. The book contains novel insights into the whole process of DNA replication covered under two broad sections, "Machines that Drive DNA Replication" and "Mechanisms that Protect Chromosome Integrity during DNA Replication". It is also a compilation of thought provoking questions and summaries to give way to future investigations.

It has been my immense pleasure to be a part of this project and to contribute my years of learning in such a meaningful form. I would like to take this opportunity to thank all the people who have been associated with the completion of this book at any step.

Editor