

Preface

This book aims to educate readers about the concepts of DNA methylation. Epigenetics is one of the most thrilling and speedily increasing areas of modern genetics with functions in many disciplines from medication to cultivation. The most frequent form of epigenetic alteration is DNA methylation, which plays a key role in primary developmental procedures such as embryogenesis and also in the response of organisms to a broad variety of ecological stimuli. Certainly epigenetics is being fast regarded as one of the main mechanisms used by animals and plants to alter their genome and its appearance to adapt to a diverse number of ecological factors. This book is a compilation of research into DNA methylation and highlights recent advances in methodology and information of underlying mechanisms of this most significant of genetic procedures.

All of the data presented henceforth, was collaborated in the wake of recent advancements in the field. The aim of this book is to present the diversified developments from across the globe in a comprehensible manner. The opinions expressed in each chapter belong solely to the contributing authors. Their interpretations of the topics are the integral part of this book, which I have carefully compiled for a better understanding of the readers.

At the end, I would like to thank all those who dedicated their time and efforts for the successful completion of this book. I also wish to convey my gratitude towards my friends and family who supported me at every step.

Editor