

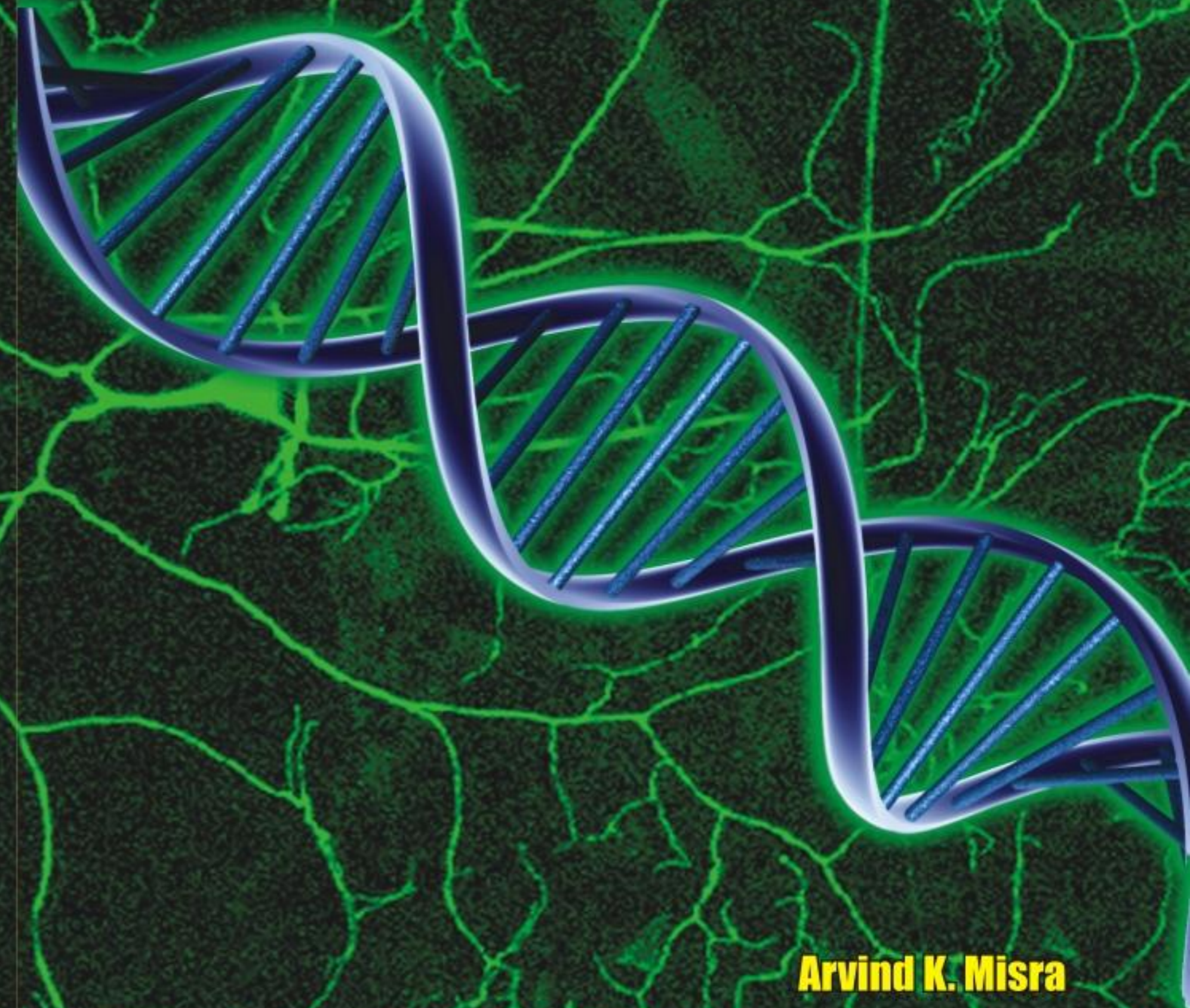
Fundamentals of Cell and Molecular Genetics

Professor Arvind K. Misra, Ph.D. started his teaching career at Guwahati University in 1977 and has been teaching at the North-Eastern Hill University since 1988. He has handled a number of research projects funded by CSIR, DST, DBT, IFCPAR, ICFRE, DST-NSF etc. He has had international research collaborations with University of Claude Bernard, France and Oregon State University, USA. He has extensively published in many national and International Journals with high impact factors and his work has been cited by over 250 international publications so far. He has been contributing to the global nucleotide sequence data bases since 1994. His current research interests include Molecular Markers, Marker Assisted Selection and Molecular Phylogeny.

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Arvind K. Misra

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Preface

The book in your hands is a product of my interaction with students over a period of thirty years. I have learnt during the process of teaching. I have modelled the book in a notes mode and too many experimental details and scientific evidences have been deliberately kept out. I want this book to serve the students only as a book dedicated to fundamental concepts. This book would be useful for both undergraduate and postgraduate students preparing for basic sciences and biotechnology, including those preparing for NET examinations.

I have taken little assistance from others. Nevertheless, many things in the book are based on study material collected/generated by me from time to time. Consequently, I would like to thank many fellow workers whose writings have helped me understand the vastness of genetics. The book may have several errors, some inadvertent and others due to ignorance. I solicit comments from all readers so that I am able to improve up on this work.

I dedicate this work to my parents, my first teachers.

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