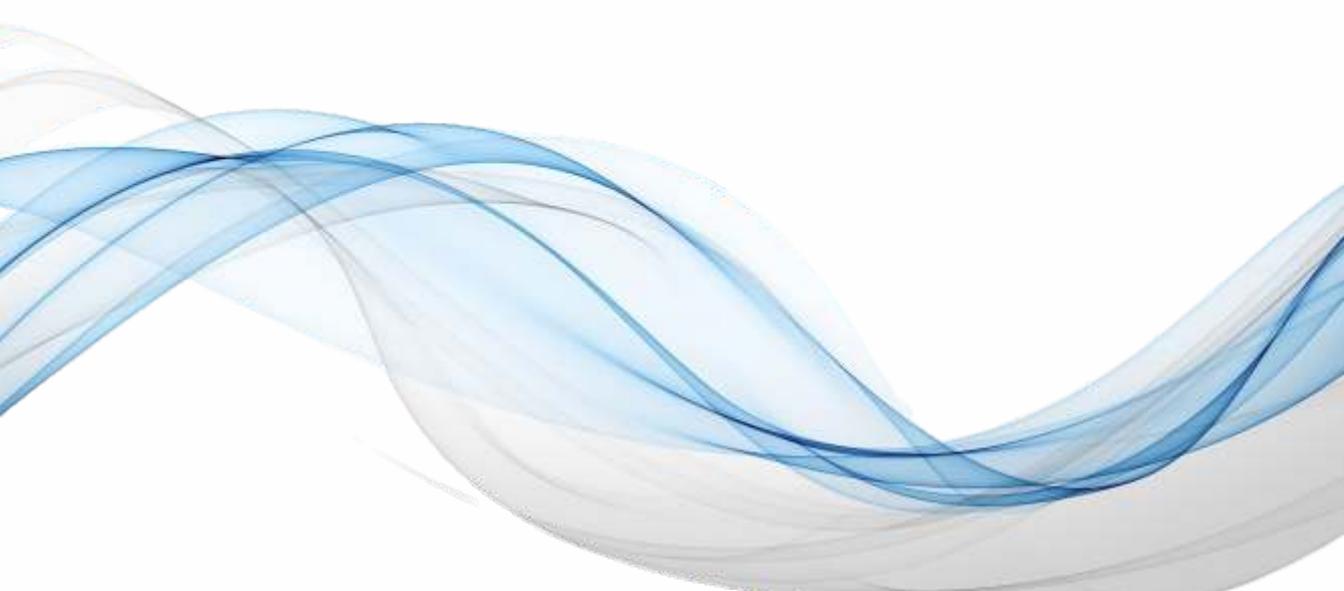


Frontiers in Genomics and Molecular Biology

Unlocking the Code of Life for Health and Agriculture



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Frontiers in Genomics and Molecular Biology: Unlocking the Code of Life for Health and Agriculture

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Preface

The 21st century entered the era of innovation in the sphere of genomics and molecular biology, which offered possibilities to have never-before-seen insights into the nature of life. Recent advances in next-generation sequencing, gene engineering systems, single-cell studies and multi-omics integration supported emerging possibilities to examine the complicated structure of genomes and the role therein in the health condition, disease, and global comparative sustainable growth. The given edited book, that is, *Frontiers in Genomics and Molecular Biology: Unlocking the Code of Life to Health and Agriculture*, brings together multiple directions, strategies, and groundbreaking studies with the purpose to reveal the various aspects of the active development of modern biological science.

Going on, the book can be of much benefit to researchers, scholars, and students who are interested in answering scientific questions, which give it an ample platform on regulatory factors that are beyond the sequence of DNA, precision medicine and technologies, genome engineering, biotechnology in agriculture, environmental biotechnology, epigenetic modification and so on through modern fresh developments in genomic innovations in different fields, analytical tools, and application thereof in medical field, in agriculture, in environmental management, etc., among other threats.

The genomic science will provide innovative solutions to the prevailing challenges in the world like climate change, health threat, and food shortage. This is one attempt of the book that tries to equalize the technological possibilities with ethical and societal concerns in order to project the world view of the genomic technology potential.

On behalf of the Editors, it is time to profoundly thank all the authors of their academic work, and Deep Science Publishing, which treated Editors with the professionalism they deserve and in connection with the publication process. We believe this book will offer a great platform on which the further development of the research, collaboration and innovations in the rapidly developing sphere of genomics and molecular biology can be made in the future.

Dr. Manvi Malwal

Dr. Tanmay Ghosh

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