
PREFACE

Because of the numerous human activities in the world presently, it has become increasingly significant to evaluate the various elements altering the biodiversity, its ecosystem components and ecological dynamics in the biosphere (vegetation alteration and disturbance of distribution patterns in animal species). A better knowledge on the ecological biodiversity of both flora and fauna and various factors that are limiting their distribution in the natural habitats will permit a better understanding and interpretation.

Therefore, this book was compiled with utmost scrutiny of different journals, articles, research, and a wide array of ecological books. The main objective of preparing this book is to actually present a base knowledge in the field of ecology regarding the alteration of biodiversity and ecosystems.

This book tries to be more informative in order to reach a wider public but can be used by a wide range of readers who are directly or indirectly interested in ecological and environmental fields. These include students and those working in institutes, planners, as well as governmental and non-governmental agencies working in ecological fields.

The book has 11 chapters, and each chapter discusses about a specific topic under the subject of altered ecology: Chapter 1 discusses about the current knowledge of biodiversity and ecosystems and the ecological alterations; Chapter 2 shows some ecological relationships between soils and rivers; Chapter 3 discusses about changes in human population regulate the altered ecosystems; Chapter 4 discusses about wildlife responses to altered habitats; Chapter 5 presents information about changes in soils and rivers due to ecosystem alteration; Chapter 6 discusses biodiversity conservation measures; Chapter 7 offers details about existing laws that oversee biodiversity conservation; Chapter 8 starts the analysis of human ecology evidencing the effects of altered human environments; Chapter 9 discusses human health alterations caused by disturbances; Chapter 10 discusses about the alteration in human populations and its impacts to the human ecology; and lastly, Chapter 11 is all about human migration and its consequences over the environments.

These eleven chapters were comprehensively prepared for the readers to have a glimpse of how altered ecology deals with alterations in biodiversity and human populations. Great focus and emphasis were given to the simplicity of the content in order to make the book comprehensible and understandable to all readers.