

About this book

This book gives insight into several aspects of the microbiology, biotechnology, and ecosystem sustainability of special and under-explored regions, that captivate human beings by their natural richness, their extensive biodiversity, the extraordinary forms of adaptation of the living beings that they inhabit, and even that keep living secrets as is the very origin of life. The chapters emphasize all aspects of biological diversity-its description, analysis, and conservation, and its controlled rational use by humankind. Also, the book is elaborated from a wide and multidisciplinary point of view. It presents reviews, research papers, comments, and research notes on biodiversity, ethnobiology, geoscience, chemistry, biological conservation, biotechnology, and ecosystem sustainability. Two hotspots are the reference for this enriching book that describes details of extraordinary areas of the planet, from Cuatrociénegas, Coahuila (Mexico) to the Southern Western Ghats (India).

The book will contribute to dealing with the practicalities of conservation management, economic, social, and political issues. It provides a forum for examining conflicts between sustainable development and human dependence on biodiversity in agriculture, environmental management, and biotechnology, and encourages contributions from developing countries to promote broad global perspectives on matters of biodiversity and conservation.