

PREFACE

Is environment under threat? It is a very common perception. Yes, for many and No, for few. Why is our environment important? It is worth rephrasing its importance. We hear and read so much about protecting and saving the planet earth. The simplest explanation about why environment matters is that, as humans, the environment—the earth—is our homeland. All of us have major apprehension for climate change and are cognizant that global warming is a major progeny of concern. It is well known that our entire life support system is dependent on the well-being of all the species living on earth. Human beings are continuously making attempts to improve their quality of life. One of the ways to achieve this is by developing it in its social, economic, and cultural context, which involves manipulation of the complex, interrelated natural and man-made components, and processes of human environments. The concept of goods, services, and hazards opens and extends the concept of natural resources and links the concepts of environmental quality and life quality.

The purpose of this book *Environmental Management* is to provide practitioners with a scientific and practical understanding of ecological and social systems that can be applied in a policy or management context. In this book, very significant aspects of environmental protection are congregated and deliberated in 18 chapters starting from the notions of sustainable development and biodiversity, international laws on environmental protection and the environmental management practices followed in reducing air, water, and soil pollution. This book makes an endeavor to tackle the processes and governors, which are directed at environmental safeguarding. It also explains the rational in utilization of natural resources and how it is conceivable to augment the interrelations between society and the environment and the upgrading of quality of life of all incarnate beings. As this is a primer, the authors took all care to familiarize the themes in unassuming jargon with well-defined portrayal.

Dr. Arthur P. Cracknell, editor-in-chief, *International Journal of Remote Sensing*, a Taylor and Francis Publication, and Emeritus Professor, University of Dundee, Scotland, United Kingdom, provided the Foreword. The authors express their deep sense of gratitude to Dr. Cracknell for scribing a meticulous Foreword, in which, he not only expressed serious concern about environmental issues but also presented about the relevance of

the topics for understanding the environmental issues either by a novice or a professional. Many thanks to him.

The authors envisage the book *Environmental Management—Science and Engineering for Industry* would oblige the needs of both individuals as well as institutions convoluted in the major mission of the espousing the complex concerns of environment and gazing for path-breaking approaches to model and alleviate the harms to all incarnate creatures on the earth.

Iyyanki V. Muralikrishna
Valli Manickam