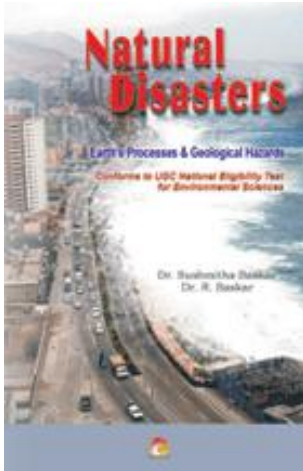




## Natural Disasters



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This book has been written with a view to create awareness among students and other readers about various kinds of hazards and disasters. The salient features of the book include a simple explanation of the subject, relevant case studies and quotes, besides some interesting facts. This book will be found very useful for all undergraduates, postgraduates and those preparing for competitive examinations. It broadly conforms to UGC NET syllabus for Environmental Sciences.

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### Unit 1 INTRODUCTION TO NATURAL DISASTERS

Dimensions of Hazard, Hazard Classification – Natural hazards and Technological hazards, Case studies of natural hazards and technological hazards, Effects of hazards, Vulnerability and susceptibility of hazards, Assessing hazards and risks, Hazard prediction and warning, Role of different individuals, Natural disasters: international attention and strategies, Natural Service functions of natural hazards.

### Unit 2 EARTHQUAKES

Earthquakes - Seismic waves, Genesis of earthquakes, Types and Distribution of earthquakes, Earthquake hazards, Prediction and control of earthquakes, Case studies of earthquakes, Natural Service functions of earthquakes, Tsunami - Hazards associated with tsunamis, Tsunami prediction and warning systems, Some case studies of tsunami, Natural Service functions of tsunami.

### Unit 3 VOLCANOES

Distribution of volcanoes, Different parts of a volcano, Volcanic eruption processes, Kinds of volcanic eruptions, Factors controlling volcanic eruptions, Products of volcanic eruptions, Hazards associated with volcanoes, Some case studies of volcanic eruptions, Natural service functions of volcanoes.

### Unit 4 WEATHER RELATED HAZARDS

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