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*Biological and Environmental Hazards, Risks, and Disasters* provides an integrated look at major impacts to the Earth's biosphere. Many of these are caused by diseases, algal blooms, insects, animals, species extinction, deforestation, land degradation, and comet and asteroid strikes that have important implications for humans.

This volume, from Elsevier's *Hazards and Disasters Series*, provides an in-depth view of threats, ranging from microscopic organisms to celestial objects. Perspectives from both natural and social sciences provide an in-depth understanding of potential impacts.

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- Contains tables, maps, diagrams, illustrations, and photographs of hazardous processes



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## **Editorial Review**

From the Back Cover

Biological and Environmental Hazards, Risks and Disasters

Edited by Ramesh Sivanpillai

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## **KEY FEATURES**

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## Hazards, Risks and Disasters in Society

### About the Author

Ramesh Sivanpillai is a Remote Sensing Scientist at the Wyoming Geographic Information Science Center (WyGIS) at the University of Wyoming.

### Research Interests

**Remote Sensing:** Digital processing of satellite and aerial images, data fusion, image enhancement and classification. Mapping and monitoring land cover, forest, agriculture, rangeland, water bodies and natural resources. Change detection using satellite data. Time series analyses using AVHRR and MODIS data.

**Geographic Information Systems:** Integration of GIS and remotely sensed data, analyzing spatial variability in natural resources.

**Landscape Ecology:** Analyzing spatial patterns of land cover features and quantify their changes through time using landscape ecological models.

**Statistical Applications:** Multivariate analyses, time-series analyses, design and analyses of experiments and geostatistics.

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