Marine Spatial Debris: Morten Wagner 2016-06-03 This book describes how marine litter, primarily plastics, has come to be the most important part of the ocean’s waste and poses a serious threat to the viability of marine life and economies around the world. The book illustrates the complex interactions between marine litter and the marine ecosystems it impacts, describing the ways in which marine litter negatively affects marine biodiversity, and providing a comprehensive understanding of the importance of marine litter. It is an important resource for policy makers, scientists, and educators.

Microplastics in the Environment: Problems, Prospects and Policy Solutions - Martin Wagner 2017-02-09 This book offers a comprehensive overview of microplastics issues, with a focus on the problems, prospects, and policy solutions. The book provides an introduction to the science of microplastics, describes the potential impacts of microplastics on human health and the environment, and discusses the policy responses that are needed to address these issues.

Marine Plastic Debris and Microplastics - United Nations Environment Programme (UNEP) 2016-05-11 This report presents both short- and long-term approaches to the problem of marine plastic debris and microplastics. It provides an overview of the latest scientific evidence, and identifies key areas of research, as well as gaps in our understanding of the issue.

Marine Anthropogenic Litter - Anthony Cheshire 2009-03-01 This book provides a comprehensive overview of the problem of marine litter, with a focus on anthropogenic litter. It describes the sources and impacts of marine litter, and discusses the policy responses that are needed to address this issue.

Sedimentology and Society - Marcus J. Walker 2017-01-23 This book provides an introduction to the field of sedimentology, with a focus on the role of sediments in the Earth's environment. It describes the processes that shape sediments, and discusses the ways in which sediments can be used to understand the Earth's past.

Scientific and Technical Translation - Frank L. Oleson 2017-11-21 This book provides an introduction to the field of scientific and technical translation, with a focus on the role of translation in the communication of scientific knowledge. It describes the processes that underlie scientific and technical translation, and discusses the challenges and opportunities that are associated with this field.

Environmental Pollution and Remediation - John R. Isbell 2013-04-10 This book provides an introduction to the field of environmental pollution and remediation, with a focus on the role of remediation in the management of contaminated sites. It describes the processes that underlie environmental pollution and remediation, and discusses the challenges and opportunities that are associated with this field.

Food Analysis and Properties - L.J. A. Arora 2013-04-10 This book provides an introduction to the field of food analysis and properties, with a focus on the role of food analysis in the characterization of food products. It describes the processes that underlie food analysis and properties, and discusses the challenges and opportunities that are associated with this field.

Sedimentary Rocks - G. R. Osprey 2009-01-01 This book provides an introduction to the field of sedimentary rocks, with a focus on the role of sedimentary rocks in the Earth's environment. It describes the processes that shape sedimentary rocks, and discusses the ways in which sedimentary rocks can be used to understand the Earth's past.

Sedimentary Structures - Leopold Domenico 2012-03-16 This book provides an introduction to the field of sedimentary structures, with a focus on the role of sedimentary structures in the Earth's environment. It describes the processes that shape sedimentary structures, and discusses the ways in which sedimentary structures can be used to understand the Earth's past.
Marine Extremes, as they are conceived of in this volume, encompass environments, activities, events and impacts. Extreme environments found in and around our oceans, including the deep sea and its hydrothermal vents, are the subject of much scientific research and are of particular interest to marine scientists. Extreme environments are characterized by unique and often extreme physical and chemical conditions, which can have significant implications for the distribution and abundance of marine life. This volume examines the role of extreme environments in shaping marine ecosystems, and the potential for human-induced and natural perturbations to affect these environments.

Recent developments in the field of xenobiotic determination in food have highlighted the need for precise analytical methodologies. Examples of these methodologies include high-performance liquid chromatography, gas chromatography-mass spectrometry, and nuclear magnetic resonance spectroscopy. These techniques are critical for the accurate identification and quantification of xenobiotics in food, which can help to ensure food safety and to prevent the negative health impacts of exposure to these substances.

Innovative Waste Management Technologies for Sustainable Development (Advances in Environmental Research) - Erika Techera 2019-01-14. A rapidly growing population, industrialization, modernization, luxury life style, and overall urbanization are associated with the generation of enhanced matter. The landscape management of the ever growing amount of waste has deteriorated the quality of the natural resources on a regional, state, and country basis, and consequently threats public health as well as global environment security. Therefore, there is an increased demand for the improvement of sustainable, efficient, and clean technologies to convert and properly manage the huge quantities of waste and control these issues into meaningful energy sources. This book explores various techniques and technologies for the control of air, water, and soil pollution. It also provides new strategies that could be implemented in the environmental sector.

Handbook on the Economic and Management of Sustainable Oceans - Paul A.L.D. Nunes 2017-02-24. This book aims to discuss the state of knowledge on ecosystem services being derived from coastal and marine areas. It reviews and synthesizes recent evidence for both theoretical and applied research on the governance of marine and coastal ecosystems, which will help to inform the development of policies and management strategies aimed at sustaining ocean resources.

The book also includes contributions from experts in various fields, including marine science, economics, and public policy, to provide a comprehensive overview of the state of knowledge and potential future directions for the sustainable management of ocean resources.

Innovative Waste Management Technologies for Sustainable Development (Advances in Environmental Research) - Alessio Gomiero 2019-05-15. This book explores various techniques and technologies for the control of air, water, and soil pollution. It provides new strategies that could be implemented in the environmental sector to address the challenges posed by the generation of enhanced matter.