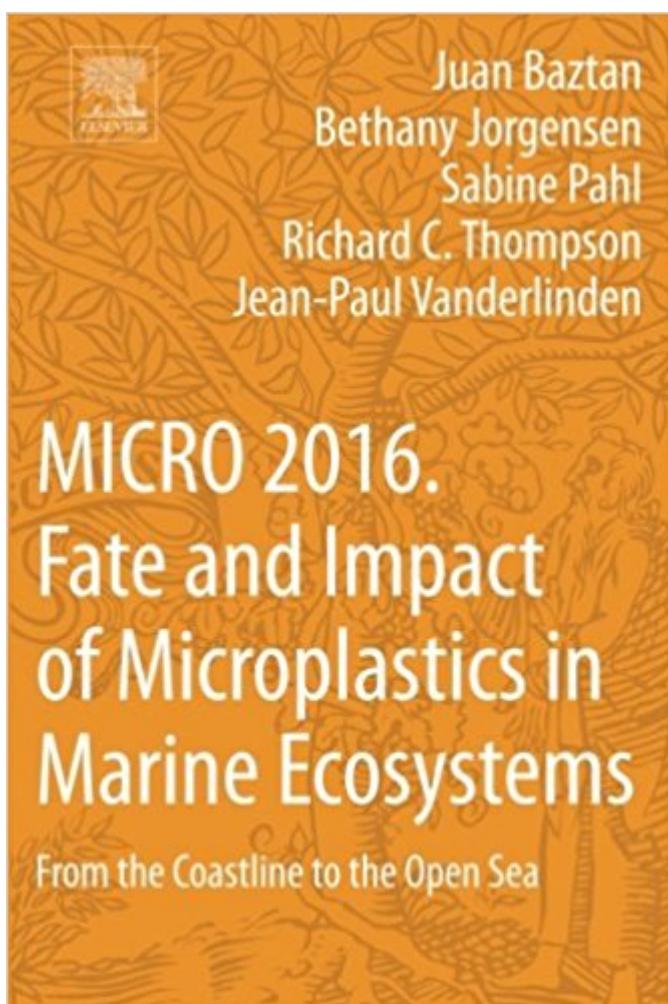


The book was found

# **MICRO 2016: Fate And Impact Of Microplastics In Marine Ecosystems: From The Coastline To The Open Sea**



## Synopsis

Fate and Impact of Microplastics in Marine Ecosystems: From the Coastline to the Open Sea brings together highlights from the conference proceedings for MICRO 2016: Fate and Impact of Microplastics in Marine Ecosystems: From the Coastline to the Open Sea. While the presence of microplastics in ecosystems has been reported in the scientific literature since the 1970's, many pressing questions regarding their impacts remain unresolved. This short format title draws from the shared scientific and technical material and summarizes the current research and future outlook. Includes a range of topics, from macro- to microplastics. Presents data from source to sink, including occurrence and distribution of microplastics in freshwater bodies, coastal zones, and the open ocean. Presents the impacts of microplastics on marine life as well as microplastics as vectors of biological and chemical contaminants. Provides important analysis on solutions and next steps.

## Book Information

Paperback: 294 pages

Publisher: Elsevier; 1 edition (December 15, 2016)

Language: English

ISBN-10: 0128122714

ISBN-13: 978-0128122716

Product Dimensions: 6 x 0.6 x 9 inches

Shipping Weight: 15.5 ounces (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #4,446,445 in Books (See Top 100 in Books) #68 in Books > Engineering & Transportation > Engineering > Energy Production & Extraction > Alternative & Renewable > Hydroelectric #833 in Books > Engineering & Transportation > Engineering > Civil & Environmental > Hydrology #1102 in Books > Science & Math > Earth Sciences > Geophysics

## Customer Reviews

After earning a double degree in geology (University of Barcelona) and oceanography (University of Perpignan) in 1998, Juan went on to receive his PhD in marine geophysics under the direction of Dr. Jean-Pierre Rehault at the Institut Universitaire Européen de la Mer and the Institut Français de Recherche pour l' Exploitation de la Mer in Brest, France. His PhD dissertation, "Formation et évolution des canyons sous- marins du Golfe du Lion : relation avec les cycles glacio-eustatiques" was developed while he was working on a team led by Dr. Jean-Louis Olivet, and was presented in November of 2004. During his time as a student, he participated in

eight oceanographic research cruises, including (i) the first oceanographic cruise of the research vessel *Hesperides* through the Exclusive Economic Zone of the Canary Islands in 1998 and (ii) in early 2000, he completed a month-long research cruise in the Bransfield Basin of the Antarctic continent. With over 50 publications, Juan's work focuses on the evolution and current state of the coastal and oceanic system, ranging from the coast to the deep sea. Much of his work incorporates his interest in the earth-human system and investigates the ways in which humans modify "natural" processes, with a specific emphasis on ethics in relation to concerns of coastal communities. In 2010, he joined Professor Jean-Paul Vanderlinden's research team at the Observatoire de Versailles SQY. Juan's dedication to interdisciplinary research has connected him with local, regional, national, and international experts through his work on projects such as (i) THESEUS: "Innovative technologies for safer European coasts in a changing climate" and (ii) ARTISTICC: "Adaptation to Transdisciplinary Research and Policy Community Centered Approach", this project seeks to analyze how knowledge, in all its dimensions, can be mobilized to foster coastal adaptation to climate change. Also, since 2007, Juan has drawn from his firm commitment to collaborative, ethical, and interdisciplinary research to coordinate Marine Sciences For Society: a network of concerned scientists working to enhance the dialogue between marine scientists and society as a whole.

Bethany Jorgensen graduated from the University of Chicago in 2008 and is currently a graduate student at the University of Maine. She has been an editor for Marine Sciences For Society since 2009, and became a co-coordinator of the group in 2014.

Sabine Pahl is Associate Professor (Reader) in Psychology at Plymouth University. Her applied areas of interest are marine conservation, restorative environments and energy, especially the role of behaviour change. Sabine is part of a Southwest team that has demonstrated the psychological benefits of "blue space" environments such as oceans, and the detrimental effect of marine litter. She was the lead social scientist in the MARLISCO project focused on Marine Litter in European Seas ([marlisco.eu](http://marlisco.eu)). The role of the Plymouth team was to evaluate science-in-society activities in 14 European countries plus Turkey, summarised in a guide for influencing behaviour. Sabine is one of only two social scientists involved in the United Nations GESAMP Working Group 40 on ocean microplastics, and the Phase 1 report contains recommendations for more behavioural science. Since 2010 Sabine has had research funding from various agencies including EPSRC, ESRC, FP7, DEFRA and H2020. She is the Secretary for the International Association of Applied Psychology's Environmental Division and was the lead convenor for two sessions (behaviour change and perceptions of climate change) at the UNFCCC COP21 science conference in Paris in July, which summarised the science to inform the COP 21 policy meeting in December this year.

year. Richard C. Thompson is a Professor at the Marine Biology and Ecology Research Centre School of Marine Science and Engineering at Plymouth University. Jean-Paul Vanderlinden is a Professor of Environmental Studies and Ecological Economics at the UniversitÃ© de Versailles Saint-Quentin-en-Yvelines (UVSQ). Additionally, he is the coordinator of the "Adaptation Research, a Trans-disciplinary Transnational Community and Policy Centred Approach"; project from the International Group of Funding Agencies for Global Change Research.

[Download to continue reading...](#)

MICRO 2016: Fate and Impact of Microplastics in Marine Ecosystems: From the Coastline to the Open Sea Micro Irrigation Management: Technological Advances and Their Applications (Innovations and Challenges in Micro Irrigation) ECON MICRO (with ECON MICRO Online, 1 term (6 months) Printed Access Card) (New, Engaging Titles from 4LTR Press) Large Marine Ecosystems: Patterns, Processes and Yields Stellwagen Bank: A Guide to the Whales, Sea Birds, and Marine Life of the Stellwagen Bank National Marine Sanctuary Fate's Fables Boxed Set Collection: One Girl's Journey Through 8 Unfortunate Fairy Tales (Fate's Journey Book 1) Fate's Keep: One Girl's Journey Through An Unfortunate Series Of Magic Portals (Fate's Journey Book 2) Fate Heals (Twist of Fate Book 2) Fighting Fate (Overthrowing Fate Book 2) Getting Started with the micro:bit: Coding and Making with the BBC's Open Development Board (Make) Distal Impact Ejecta Layers: A Record of Large Impacts in Sedimentary Deposits (Impact Studies) Burrows on the Dead Sea Scrolls: An Omnibus of Two Famous Volumes: The Dead Sea Scrolls / More Light on the Dead Sea Scrolls United Nations Convention on the Law of the Sea: Agreement Relating to the Implementation of Part XI of the United Nations Convention on the Law of ... of the Sea Series Incl Law of Sea Bulletin) International Travel Maps China, Scale 1:3,800,000: Changchun, Beijing, Xian, Wuhan, Shanghai, Hong Kong, Taipei, Yellow Sea, East China Sea, South China Sea, Seoul, Delhi, Calcutta, Hanoi: Itmb China 2008 How to Open & Operate a Financially Successful Herb and Herbal Plant Business (How to Open and Operate a Financially Successful...) The Open Heart Companion: Preparation and Guidance for Open-Heart Surgery Recovery Open Water Swimming Manual: An Expert's Survival Guide for Triathletes and Open Water Swimmers Polyamory: The Practical Dater's Guide to the Pursuit and Maintenance of Open Relationships (Polyamory, Polyamorous, Relationship, Dating, Poly Relationship, Polyamory Dating, Open Relationships) How to Open & Operate a Financially Successful Small Farm: With Companion CD-ROM (Back-To-Basics) (How to Open and Operate a Financially Successful...) God in an Open Universe: Science, Metaphysics, and Open Theism

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)