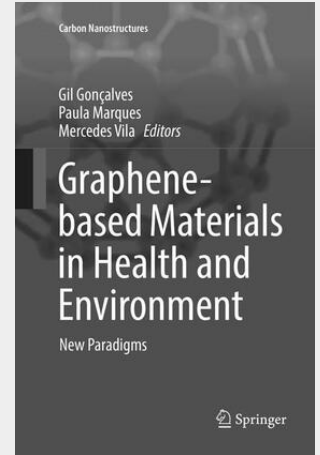


Gonçalves / Vila / Marques

# Graphene-based Materials in Health and Environment

New Paradigms

This book provides a comprehensive overview of the potential use of graphene-based materials in two important societal areas: medicine and the environment. It discusses how new graphene-based materials can be creatively used for biological purposes, for example as delivery vehicles for diagnostics or therapeutics, ultrasensitive sensors, smart responsive substrates for artificial-tissue design and biomarkers. Moreover, it presents new insights into their use as sorbent or photocatalytic materials for environmental decontamination in water and gas-phase desalination membranes and as sensors for contaminant monitoring, giving relevance to the current discussions on the possible toxicological effects of graphene-based materials.



**160,49 €**

149,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

**Artikelnummer:** 9783319833354

**Medium:** Buch

**ISBN:** 978-3-319-83335-4

**Verlag:** Springer International Publishing

**Erscheinungstermin:** 04.07.2018

**Sprache(n):** Englisch

**Auflage:** Softcover Nachdruck of the original 1. Auflage 2016

**Serie:** Carbon Nanostructures

**Produktform:** Kartoniert

**Gewicht:** 557 g

**Seiten:** 356

**Format (B x H):** 155 x 235 mm

