



1st ed. 2018, XII, 240 p. 92 illus., 65 illus. in color.

#### Printed book

Hardcover

109,99 € | £99.99 | \$139.99

[<sup>1</sup>]117,69 € (D) | 120,99 € (A) | CHF  
121,00

#### eBook

91,62 € | £79.50 | \$109.00

[<sup>2</sup>]91,62 € (D) | 91,62 € (A) | CHF  
96,50

Available from your library or  
[springer.com/shop](http://springer.com/shop)

#### MyCopy [<sup>3</sup>]

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](http://springer.com/mycopy)

Sophie Fourmentin, Grégoire Crini, Eric Lichfouse (Eds.)

# Cyclodextrin Applications in Medicine, Food, Environment and Liquid Crystals

Series: Environmental Chemistry for a Sustainable World

- Focuses on cyclodextrin applications
- Looks at cyclodextrin-steroid interactions and applications to pharmaceuticals, food, biotechnology and environment
- Features topics such as cyclodextrin-based nanosystems, silica materials containing cyclodextrin for pollutant removal, cyclodextrins for essential oils applications and more

This book is the second volume of two volumes on cyclodextrins published in the series Environmental Chemistry for a Sustainable World. This volume focuses on cyclodextrin applications. The first chapter by Divya Arora and Sundeep Jaglan presents cyclodextrin-based carriers for delivery of dietary phytochemicals. The second chapter by Éva Fenyesi et al. describes the interactions of steroids with cyclodextrins and their applications to pharmaceuticals, food, biotechnology and environment. Nazli Erdoar and Erem Bilensoy discuss cyclodextrin-based nanosystems in targeted cancer therapy. Miriana Kfouri et al. review the use of cyclodextrins for essential oils applications in chapter 4. Hiroshi Ikeda demonstrates in chapter 5 that chromophore-appended cyclodextrins are effective for chemosensors to detect organic molecules by fluorescence or absorbance changes. Then Grégoire Crini et al. describe silica materials-containing cyclodextrin for pollutant removal. The final chapter by Chang-Chun Ling et al. summarizes the synthesis and characterization of supramolecular liquid crystals based on cyclodextrins and their applications.

Lifelong 40% discount for authors

Order online at [springer.com](http://springer.com) / or for the Americas call (toll free) 1-800-SPRINGER / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com). / For outside the Americas call +49 (0) 6221-345-4301 / or email us at: [customerservice@springernature.com](mailto:customerservice@springernature.com).

The first € price and the £ and \$ price are net prices, subject to local VAT. Prices indicated with [1] include VAT for books; the €(D) includes 7% for Germany, the €(A) includes 10% for Austria. Prices indicated with [2] include VAT for electronic products; 19% for Germany, 20% for Austria. All prices exclusive of carriage charges. Prices and other details are subject to change without notice. All errors and omissions excepted. [3] No discount for MyCopy.

