



1st ed. 2019, VIII, 412 p.

### Printed book

Hardcover

129,99 € | £109.99 | \$159.99

<sup>[1]</sup>139,09 € (D) | 142,99 € (A) | CHF

153,50

### eBook

106,99 € | £87.50 | \$119.00

<sup>[2]</sup>106,99 € (D) | 106,99 € (A) | CHF

122,50

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)

V. Kumar, B. Chaudhary, V. Sharma, K. Verma (Eds.)

# Radiation Effects in Polymeric Materials

Series: Springer Series on Polymer and Composite Materials

- Discusses the various aspects of radiation effects in polymers and their structure
- Describes how materials properties are affected after irradiation
- Introduces the synthesis, characterization, or modification of many important materials, e.g. polycarbonates, polyamides and polysaccharides, using radiation

This book provides an introduction of how radiation is processed in polymeric materials, how materials properties are affected and how the resulting materials are analyzed. It covers synthesis, characterization, or modification of important materials, e.g. polycarbonates, polyamides and polysaccharides, using radiation. For example, a complete chapter is dedicated to the characterization of biodegradable polymers irradiated with low and heavy ions. This book will be beneficial to all polymer scientists in the development of new macromolecules and to all engineers using these materials in applications. It summarizes the fundamental knowledge and latest innovations in research fields from medicine to space.

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.

