



1st ed. 2021, XXI, 339 p. 48 illus., 46 illus. in color.

Printed book

Hardcover

149,99 € | £129.99 | \$179.99

^[1]160,49 € (D) | 164,99 € (A) | CHF 177,00

eBook

117,69 € | £103.50 | \$139.00

^[2]117,69 € (D) | 117,69 € (A) | CHF 141,50

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

MyCopy ^[3]

Printed eBook for just

€ | \$ 24.99

[springer.com/mycopy](https://www.springer.com/mycopy)

Aga Syed Sameer, Mujeeb Zafar Banday, Saniya Nissar (Eds.)

Genetic Polymorphism and cancer susceptibility

- Reviews the difference between genetic polymorphisms and mutations
- Help in understanding the impact of SNPs on gene function
- Reviews the role of genetic polymorphism in genetic predisposition to cancer
- Discusses techniques used in the analysis of genetic polymorphism
- Examines the genetic basis for individual variations in response to therapeutics

This book discusses the role of genetic polymorphism in susceptibility to cancers. The book explores the understanding of differences between the genetic polymorphisms and mutations. It reviews the mechanisms underlying the effect of polymorphism in genes encoding proteins that play an essential role in metabolism, signal transduction, cell cycle, and DNA repair mechanisms. Further, it investigates various techniques that are used for analyzing the genetic polymorphisms. The book contains many chapters which summarize the importance of genetic information obtained from polymorphism-based pharmaco-genetic tests to predict better drug response and life-threatening adverse reactions to chemotherapeutic agents, help in understanding of the impact of SNPs on gene function, and gives overview of the different SNP databases for examination. This book, therefore, serves as an essential guidebook for independent researchers as well as institutions working in this specialised field.

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

