

1. Record Nr.	UNINA9910253920303321
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Titolo	Cancer and Chemoprevention: An Overview [[electronic resource] /] / by Summya Rashid
Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2017
ISBN	981-10-2579-7
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (173 pages) : illustrations (some color), tables
Disciplina	616.99405
Soggetti	Cancer research Apoptosis Gene expression Cell cycle Immunology Cancer Research Gene Expression Cell Cycle Analysis
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Introduction -- Hallmarks of Cancer -- Classification of Cancer -- Factors Influencing Cancer Development -- Carcinogenesis -- Molecular Mechanism of Carcinogenesis -- Oxidative Stress Induced Carcinogenesis -- Major Mediators Linking Inflammation and Cancer -- Apoptosis -- Chemoprevention -- Classification of Chemopreventive Agents -- Preclinical Development of Chemo Preventive Agents for Chemoprevention -- Modulation of Wnt/-Catenin Signaling by Chemo Prevention -- Modulation of Akt/mTOR Pathway Signaling by Chemo Prevention -- Novel Chemopreventive Agents -- Chemoprevention by Resveratrol -- Chemoprevention by Genistein -- Chemoprevention by Apigenin -- Chemoprevention by Curcumin -- Chemoprevention by Fisetin -- Chemoprevention by Epigallocatechin-3-gallate (EGCG) -- Chemoprevention by Graviola -- Cancer Chemoprevention: Hurdles and Future Prospects and Considerations -- Clinical Trials of Chemoprevention -- Future of Chemoprevention.
Sommario/riassunto	This book focuses on the most recent, relevant, comprehensive and

significant advances in cancer and chemo prevention. It broadly discusses cancer, its hallmarks and classification, molecular mechanisms of outbreak, contributing factors, role of oxidative stress, inflammatory mediators and evading apoptosis, which leads to the progression of disease. Though modern medicine has left us with no option to treat this deadly disease due to drawbacks associated with conventional treatment – like its non-targeted nature, drug resistance, varied organ toxicities and unaffordability – chemoprevention offers a viable therapeutic window. Given chemoprevention's importance in the present scenario, the book highlights various chemo preventive strategies currently used in the management of cancer; a selection of novel chemo preventive agents used at clinics and in the pre-clinical stage; hurdles to effective chemoprevention; future prospects and the road ahead. It offers a valuable guide for all graduate students and researchers seeking information on cancer and chemoprevention in general, irrespective of the specific type/pathways involved in its onset.
