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Nota di contenuto	Application of Single Cell Technology in Colorectal Cancer -- Dietary habits and global incidence of Colon Cancer -- Diet and Colon Cancer: A Comprehensive Review -- Recent therapeutic strategies for the treatment of colon cancer -- Role of bacteria in development of cancer -- Role of Bacterial infection (H. Pylori) in colon carcinogenesis and therapeutic approaches -- Diagnosis of Colorectal Cancer using Molecular Techniques -- Nanotechnology approaches for colorectal cancer diagnosis and therapy -- Natural products as immunomodulatory and chemo-sensitizing agents in colon cancer treatment -- Role of DNA mismatch repair genes in colorectal cancer -- Targeting of aerobic glycolysis: an emerging therapeutic approach against colon cancer -- An insight into therapeutic potential of

phytochemicals for colorectal cancer: Latest perspective -- Sea weeds: Potential candidates in human colon cancer therapy -- Recent update on Nanomedicine based drug targeting on colon cancer -- Therapeutic targeting of glutamine metabolism in colorectal cancer -- Preventive effect of indian food on colorectal cancer -- Extracellular Vesicles in Colorectal Cancer Progress, Metastasis, Diagnosis and Therapy -- Probiotics in colon cancer: A therapeutic approach -- Index.

Sommario/riassunto

Colorectal cancer (CRC) is a major global health challenge as the third leading cause for cancer related mortalities worldwide. Despite advances in therapeutic strategies, the five-year survival rate for CRC patients has remained the same over time due to the fact that patients are often diagnosed in advanced metastatic stages. Drug resistance is another common reason for poor prognosis. Researchers are now developing advanced therapeutic strategies such as immunotherapy, targeted therapy, and combination nanotechnology for drug delivery. In addition, the identification of new biomarkers will potentiate early stage diagnosis. This book is the second of three volumes on recent developments in colorectal diagnosis and therapy. Each volume can be read on its own, or together. Each volume focuses on different novel therapeutic advances, biomarkers, and identifies therapeutic targets for treatment. Written by leading international experts in the field, coverage addresses the role of diet habits and lifestyle in reducing gastrointestinal disorders and incidence of CRC. Chapters discuss current and future diagnostic and therapeutic options for colorectal cancer patients, focusing on immunotherapeutics, nanomedicine, biomarkers, and dietary factors for the effective management of colon cancer.
