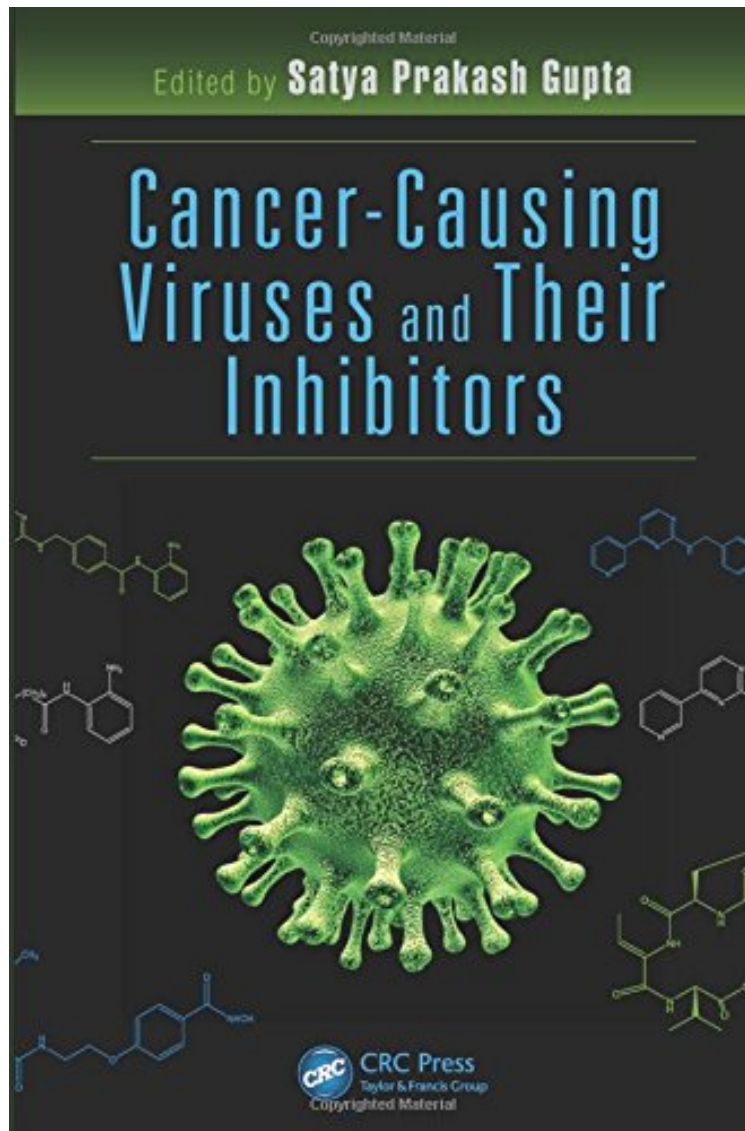


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Cancer-causing viruses, also called oncoviruses, play a key role in the development of certain cancers. They contribute to genetic changes that disrupt the cell cycle machinery, interfering with functions such as cell growth. Cancer-Causing Viruses and Their Inhibitors presents a plethora of research from internationally reputed contributors who

discuss different types of oncoviruses, their mechanisms of invasion and growth, and their life cycles. The book begins with an overview of the oncoviruses discovered to date and includes a brief description of their structures, genotypes, replication, and mechanisms of infection leading to cancers. It then explores several of these viruses in detail, including: Human T-cell leukemia virus type 1 (HTLV-1) Hepatitis C virus (HCV) EpsteinBarr virus (EBV) Human papilloma virus (HPV) Human herpes virus 8 (HHV-8)/Kaposi sarcoma-associated herpes virus (KSHV) Human immunodeficiency virus (HIV/AIDS) Oncolytic viruses This book is an essential reference for those working in virology, oncology, and biotechnology. The discoveries presented will enable researchers and clinicians to optimize both historical and current approaches to anti-viral therapies.

About the AuthorDr. Satya P. Gupta is a Professor in the Department of Applied Sciences at the National Institute of Technical Teachers Training and Research (NITTTR), Bhopal, India. Dr Gupta is one of the pioneers of QSAR (quantitative structure-activity relationship). He has published approximately 200 papers in various reputed journals on the topic and contributed dozens of authoritative reviews in prestigious review journals. This book is a result of his vast experience working in QSAR.