1. Record Nr. UNINA9910580205303321

Autore	Domenicotti Cinzia
Titolo	Paradox Role of Oxidative Stress in Cancer : State of the Art
Pubbl/distr/stampa	Basel, : MDPI - Multidisciplinary Digital Publishing Institute, 2022
Descrizione fisica	1 electronic resource (214 p.)
Soggetti	Medicine Oncology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Reactive oxygen species (ROS) are produced by healthy cells and are maintained at physiological levels by antioxidant systems. However, when ROS increase in number, a condition of oxidative stress occurs, leading to many human diseases, including cancer. The relationship between oxidative stress and cancer is complex since ROS play a double-edged role in cancer development and under therapy response. This paradox represents a great challenge for researchers and needs to be investigated. The articles collected in this Special Issue can help to clarify the role of ROS modulation in cancer prevention and treatment, and to dissect the molecular mechanisms underlying its paradoxical role in order to counteract carcinogenesis or enhance sensitivity to anticancer therapy.