1. Record Nr. UNINA990000831530403321

Autore	International centre for mechanical sciences
Titolo	Random excitation of structures by earthquakes and atmospheric turbolence / edited H. Parkus
Pubbl/distr/stampa	Wien : Springer, 1977
Descrizione fisica	CISM N. 225
Collana	Courses and lectures ; 225
Locazione	FINBN
Collocazione	02 65 C 20
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910557152603321

Autore	Cipak Gasparovic Ana
Titolo	Free Radical Research in Cancer
Pubbl/distr/stampa	Basel, Switzerland, : MDPI - Multidisciplinary Digital Publishing Institute, 2020
Descrizione fisica	1 online resource (192 p.)
Soggetti	Technology: general issues
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Sommario/riassunto	Cancer is a great challenge to efficient therapy due to biological diversity. Disturbed oxidative homeostasis in cancer cells certainly contributes to differential therapy response. Further, one of the hallmarks of cancer cells is adaptation which includes fine tuning of the

cellular metabolic and signalling pathways as well as transcription profiles. There are several factors which contribute to the tumor diversity and therapy response, and oxidative stress is certainly one of them. Changes in oxygen levels due to hypoxia/reoxygenation during tumor growth modulate antioxidative patterns finally supporting increased cell diversity and adaptation to stressing conditions. Additionally, cancer chemotherapy based on ROS production can also induce also adaptation. To counteract these negative effects natural products are often used for their antioxidant activities as well as photodynamic therapy supported by novel chemosensitizers. Understanding of possible pathways which can trigger antioxidant defence at a certain time during cancer development can also provide possible strategies in fighting cancer.