



## Free radical biology and environmental toxicity /

Kesari, Kavindra Kumar  
Jha, Niraj Kumar

Springer,  
2021

Electronic books

Monografía

The main aim of this book is to collect a series of research articles and reviews from a diverse group of scientists to share their research work on the role of free radical research and environmental toxicity. This book presents various state-of-the-art chapters of recent progress in the field of cellular toxicology and clinical manifestations of various disorders. Topics include cell signaling, various risk factors, the pathophysiology of disease instigation and distribution, mechanistic insights into metal and nanoparticle toxicity, neural toxicity, nongenotoxic carcinogenicity, immune and idiosyncratic toxicity, prevention, biomarkers related to disease progression and therapeutic strategies. In particular, this book provides valuable insight for researchers, pathologists, and clinicians with an interest in toxicological research and cellular impairments with special emphasis on therapeutic advancement

<https://rebiunoda.pro.baratznet.cloud:38443/OpacDiscovery/public/catalog/detail/b2FpOmNlbGVicmF0aW9uOmVzLmJhcmF0ei5yZW4vMzAxNjk4MDk>

**Título:** Free radical biology and environmental toxicity Kavindra Kumar Kesari, Niraj Kumar Jha, editors

**Editorial:** Cham, Switzerland Springer 2021

**Descripción física:** 1 online resource

**Mención de serie:** Molecular and integrative toxicology

**Nota general:** Includes index

**Contenido:** Male infertility: a complete guide to lifestyle and environmental factors -- Use of folic acid in the treatment of oxidative-stress associated male infertility: a myth or reality? -- Methylglyoxal induced mitochondrial perturbation and neuronal toxicity in Alzheimer disease -- Free radicals-mediated oxidative damage in memory loss: Are antioxidant therapies useful? -- ROS-induced neural toxicity in Parkinson's Disease -- Cyclin-dependent Kinase in oxidative stress and development of cancer -- Radiation induced free radical formation lead to head and neck cancer -- Pathophysiology of radiations: Radiofrequency electromagnetic radiation oxidative stress and carcinogenesis -- Heavy metal contamination induced oxidative stress lead to neurodegenerative diseases -- Networking of nanoparticles toxicity in environment and possible role of ROS in disease mechanism -- Free radicals and microbes in nature -- Relevance of ROS and NOS in Leishmaniasis: A recent update -- Alcohol-induced neuronal toxicity in Alzheimer disease

**Copyright/Depósito Legal:** 1296116092 1296431802 1298387664

**ISBN:** 9783030834463 electronic bk.) 3030834468 electronic bk.) 303083445X 9783030834456

**Materia:** Free radicals (Chemistry) Environmental toxicology Free Radicals Radicaux libres (Chimie)  
Écotoxicologie Environmental toxicology. Free radicals (Chemistry)

**Autores:** Kesari, Kavindra Kumar Jha, Niraj Kumar

**Enlace a formato físico adicional:** Original 303083445X 9783030834456 (OCoLC)1258782530

**Punto acceso adicional serie-Título:** Molecular and integrative toxicology

---

### **Baratz Innovación Documental**

- Gran Vía, 59 28013 Madrid
- (+34) 91 456 03 60
- informa@baratz.es