

Download Oxidative Stress At Molecular Cellular And Organ Levels

1. Introduction
1.1. The concept of “oxidative stress” The term “oxidative stress” began to be used frequently in the 1970s, but its conceptual origins can be traced back to the 1950s to researchers pondering the toxic effects of ionizing radiation, free radicals, and the similar toxic effects of molecular oxygen (Gerschman et al., 1954 ...Free radicals, reactive oxygen species, oxidative stress and its classification We specialize in hydrogen rich water products that increase hydrogen levels in the body which quench free radicals, including drops, tablets or water sticks. The free radical theory of aging (FRTA) states that organisms age because cells accumulate free radical damage over time. A free radical is any atom or molecule that has a single unpaired electron in an outer shell. While a few free radicals such as melanin are not chemically reactive, most biologically relevant free radicals are highly ...