

**A Review on Natural Antioxidants for Their Role in the Treatment of Parkinson's Disease**

Authors	<b>Pooja Mittal,Sanchit Dhankhar,Samrat Chauhan,Nitika Garg,Tanima Bhattacharya,Maksood Ali,Anis Ahmad Chaudhary ,Hassan Ahmad Rudayni  ,Mohammed Al-Zharani ,Wasim Ahmad ,Salah Ud-Din Khan,Thakur Gurjeet Singh And Somdutt Mujwar</b>
Publication Year	2023
Grant Number	221412037
DOI link	<a href="https://doi.org/10.3390/ph16070908">https://doi.org/10.3390/ph16070908</a>

**Abstract:** The neurodegenerative condition known as Parkinson's disease (PD) is brought on by the depletion of dopaminergic neurons in the basal ganglia, which is the brain region that controls body movement. PD occurs due to many factors, from which one of the acknowledged effects of oxidative stress is pathogenic pathways that play a role in the development of Parkinson's disease. Antioxidants, including flavonoids, vitamins E and C, and polyphenolic substances, help to reduce the oxidative stress brought on by free radicals. Consequently, this lowers the risk of neurodegenerative disorders in the long term. Although there is currently no cure for neurodegenerative illnesses, these conditions can be controlled. The treatment of this disease lessens its symptoms, which helps to preserve the patient's quality of life. Therefore, the use of naturally occurring antioxidants, such as polyphenols, which may be obtained through food or nutritional supplements and have a variety of positive effects, has emerged as an appealing alternative management strategy. This article will examine the extent of knowledge about antioxidants in the treatment of neurodegenerative illnesses, as well as future directions for research. Additionally, an evaluation of the value of antioxidants as neuroprotective agents will be provided.