



Neural Plasticity

Special Issue on  
**Nonmotor Disturbances in Parkinson's Disease:  
Mechanisms and Clinical Implications**

CALL FOR PAPERS

Parkinson's disease (PD) is typically considered to be a motor system disorder and its diagnosis is based on the presence of a set of cardinal motor signs such as bradykinesia, rigidity, gait festination, rest tremor, and postural reflex disturbance. Primarily, the degeneration of the ventral midbrain neurons within the substantia nigra pars compacta, impairing the nigrostriatal dopaminergic neurotransmission, is the key player to explain the motor disruption. However, there is growing evidence showing that nonmotor alterations (anxiety, depression, gastrointestinal disorders, memory loss, sleep disturbances, olfactory dysfunctions, etc.) may precede the classical motor disability, perhaps as early biomarkers. In this more complex scenario, the challenge to determine the pathophysiological mechanisms of these nonmotor disturbances, as well as the possible treatments, still remains to be understood. We invite investigators to submit original research articles and reviews to this special issue.

Potential topics include, but are not limited to:

- ▶ Animal models of PD
- ▶ Translational perspectives
- ▶ Clinical trials
- ▶ Anxiety, depression, and other mood disturbances
- ▶ Cognitive impairment
- ▶ Sleep disturbances
- ▶ Olfactory disturbances
- ▶ Pathophysiological mechanisms
- ▶ Environmental exposure to potential neurotoxins
- ▶ Neuroprotective and/or neurorestorative strategies
- ▶ Early-phase biomarkers

Authors can submit their manuscripts via the Manuscript Tracking System at <http://mts.hindawi.com/submit/journals/np/nmd/>.

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