

Special Issue on **Neural Plasticity in Response to Cognitive Training in Patients with Mild Cognitive Impairment, Dementias, and Alzheimer's Disease**

CALL FOR PAPERS

Neural plasticity is the ability to reorganize and create new pathways. It is the science behind cognitive training, a method which can be utilized by educators and health care professionals to supplement and help enhance their therapeutic interactions, especially in patients suffering from mild cognitive impairment (MCI), dementias, and Alzheimer's disease (AD). It has been shown that specially designed cognitive training tools can assist significantly patients with MCI, dementias, and AD, impacting their neural plasticity. This impact is important to be assessed quantitatively.

This special issue focuses on the most recent achievements and research results of cognitive training applications and their effect and impact in the neural plasticity of patients with MCI, dementias, and AD. Systems, platforms, and methodologies utilizing cognitive training approaches in patients with the above-mentioned diseases are invited. Completed research or research in progress with indicative results are welcomed.

Potential topics include but are not limited to the following:

- ▶ Models of neural plasticity in MCI, dementias, and AD
- ▶ Biomarkers of neural plasticity for patients with MCI, dementias, and AD
- ▶ Methodologies and applications of cognitive training in patients and its effect on neural plasticity
- ▶ Neural plasticity and cognition during in patients MCI, dementias, and AD
- ▶ Computational imaging and neural plasticity in AD patients
- ▶ Key performance indicators (KPIs) in measuring neural plasticity through cognitive training in patients with MCI, dementias, and AD

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/np/nnpn/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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