

Special Issue

Attention Deficit Hyperactivity Disorder (ADHD)

Message from the Guest Editor

Attention Deficit/Hyperactivity Disorder (ADHD) is a neurodevelopmental disorder affecting 3–7% of school-age children and affects about 5% of adults. While childhood ADHD is expressed by inattention, impulsive and hyperactive behaviour, most adults with ADHD show few externalizing symptoms and show attentional deficits that manifest as daily life difficulties in organization, time management, planning and task achievement. The recent development of dynamic EEG (electroencephalograph) has allowed to decipher oscillatory alterations in ADHD. The use of high-density EEG made possible the identification of brain generators involved in the neuronal processes related to perception, attention, decision and action. In order to better understand the origin of these neuronal alterations, it is necessary to develop new experimental paradigms and do not forget the fact that very early phenomena are taken into account in the processing of information. The emotional factors and the messages conveyed by the body should also be taken into account in order to consider new therapies based on the plasticity of neuronal oscillations.

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