

**‘Specialization in ICTs and Special Education: Psychopedagogy of Integration’
Postgraduate Program Studies
DEMOKRITUS UNIVERSITY OF THRACE Department of Hellenic Philology
in collaboration with
NCSR DEMOKRITOS Informatics and Telecommunications Institute**

**WORKING MEMORY AND ATTENTION IN RELATION TO ICTs AND
OTHER FACTORS - ADHD**

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THESIS

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ABSTRACT

Working memory and attention are considered basic cognitive functions. Deficits in them create problems and affect everyday life. The Attention Deficit Hyperactivity Disorder (ADHD) is related to these cognitive skills. There are several studies that mention the importance of enhancing memory and attention. This research has been based on articles in scientific journals to explore some factors that have a positive or negative effect on memory, attention and ADHD. The results have shown that Information and Communication Technologies (ICT), environmental factors, nutrition, hormones, neurotransmitters and alternative techniques are directly related to memory and attention. Thus, we have come to the conclusion that we can intervene in the deficits of cognitive functions through the above factors.

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