

**‘Specialization in ICTs and Special Education: Psychopedagogy of Integration’  
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DEMOCRITUS UNIVERSITY OF THRACE Department of Greek Philology  
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**THE SUPPORTING ROLE OF WORKING MEMORY ASSESSMENT  
REGARDING THE DETECTION OF ADHD ELEMENTS IN THE STUDENT  
POPULATION OF TYPICAL EDUCATION SCHOOLS. WHAT IS THE TYPICAL  
EDUCATION TEACHERS’ EXISTING KNOWLEDGE AND AWARENESS OF  
THIS ISSUE IN GREECE?**

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## **ABSTRACT**

The involvement of deficient working memory in the ADHD symptomatology has attracted intense research interest and indeed has been scientifically substantiated. This fact provided an impetus for this study, which aims to investigate the role of working memory assessment in detecting ADHD elements in student population of typical education Greek schools and record the level of teachers' Knowledge and awareness of this issue in Greece. In order to achieve this twofold goal, a survey was conducted about the assessment of Primary school children's working memory through the scale "KAEM" (in Greek), and the evaluation of teachers' level of knowledge and awareness of issues related to working memory and ADHD. The results of this research showed statistically significant differences in the overall score of "KAEM" scale and in the score of its single questions between children diagnosed with ADHD and those without ADHD. With reference to the teachers, it was found that Greek secondary typical education teachers do not know the meaning of working memory to a greater extent compared to primary typical education teachers, while, at the same time, both typical education levels teachers in a high percentage know the meaning of ADHD. Moreover, the results of the research about the both education levels teachers' awareness and willingness to be informed about working memory and ADHD, as well as to be trained on working memory assessment ways and tools in the classroom were encouraging. In light of these findings, therefore, working memory assessment can work efficiently in detecting ADHD elements in student population of typical education Greek schools while, at the same time, the both education levels Greek typical education teachers' high percentages of willingness to be informed and trained in this area could be a potential fruitful step towards developing educational programs focused on such issues.

**Key-words:** working memory assessment, "KAEM" scale, ADHD, Greece

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