

# ΛΟΓΟ

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DER SAMMLUNG WISSENSCHAFTLICHER ARBEITEN

DIE KUNST DES WISSENSCHAFTLICHE DENKEN

ZU DEN MATERIALIEN DER INTERNATIONALEN WISSENSCHAFTLICH-PRAKTISCHEN KONFERENZ

## WISSENSCHAFTLICHE ERGEBNISSE UND ERRUNGENSCHAFTEN: 2020

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### BAND 2



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## ABSCHNITT X. PSYCHOLOGIE UND SOZIOLOGIE

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### COGNITIVE PSYCHOLOGY: APPLIED SIGNIFICANCE, SOME DIRECTIONS AND LINKS TO TYPOLOGICAL ASPECTS

**Elena Tkachenko**

candidate of medical sciences, Physiology chair assistant  
*Poltava International medical university*

*UKRAINE*

Personalized education is one of Pedagogy directions in priority nowadays [1]. Its reaching in maximal extent is impossible without cognitive functions study in ethnic and ethno-age typological aspects. Cognitive processes development is paid big attention nowadays taking into account ethno-age typological aspects (for example in school children in Uzbekistan) [2]. Special attention is paid to cognitive disturbances at different diseases in this aspect in children from various countries particularly in Uzbekistan at autism [3] with correcting methods proposed. As a whole, psychologist and physiologist B.M.Teplov established aptitudes' three features used by specialists for their determining which represent individual-psychological distinguishing peculiarities characteristic for separate person comparatively to the others [4]. Cognitive giftedness is thought to be the feature of a person striving to knowledge [5]. There is whole direction in Pedagogy – cognitive linguistics at normal and impaired learning [6]. Curriculum framework application on the base of situated cognition theory at teacher education has contribution to reducing the gap between theoretical and practical knowledge, and as a result, between theory and practice [7] that is, doubtly, of crucial importance for the doctors' training.

Memory represents one of the most important cognitive functions and its study is in process in different countries both in norm and pathology with typological aspects taking into account. Ethnic aspect is actual in the work about algorithmic model of decision making with including the data concerning to links and neural circuits between prefrontal cortex (working memory) and hippocampus (long-term memory) performed in one Iranian Universities of Special Modern Technologies at the Engineering Modern Technologies Faculty [8]. Ethno-age typological aspect found its reflection in the works about false memory [9] and other cognitive disturbances in the elderly with Parkinson disease from various countries as well as with Alzheimer's disease; in children with attention deficit-hyperactivity syndrome [10] and autism spectrum disorders [11]. Except Medicine, the data about memory normal and disordered functioning are rather important in Pedagogy. Working memory capacity may affect learning sequential motor tasks during observational learning in the 21,5-year-old students [12].

Thus, Cognitive Psychology study has not only big theoretical but applied significance as well in relation to correcting programs at various pathologies

(children's dyslexia also together with the mentioned in the article) [13] and the questions relating to it should be discussed taking into consideration typological aspects especially the ethnic and the ethnic-age ones.

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