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**The functional organization of brain cortex in professional and amateur musicians during musical improvisation**

*The role of music for the development of personality's creative potential is shown in the article. The necessity of studying of functional organization of brain cortex in musicians during the improvisation as a creative activity is substantiated.*

*The technique and procedure of empirical research conducting are described. 47 musicians aged 18 to 39 years – professionals (22 pers.) and amateurs (25 pers.) participated in the study. They were asked to listen to musical harmony, mentally reproduce each of them, and then create an improvisation based on them. EEG method was used to study the strength and nature of coherent cortical connections during the musical activity in participants.*

*As a result of the made comparative analysis the peculiarities of brain cortex's functional organization for different frequency bands in musicians with different levels of professionalism during improvisation are revealed. It is concluded about strong interaction of the brain's parts during musical improvisation process of in professionals and about brain's parts interaction in right hemisphere mostly in amateurs.*

**Keywords:** coherent connections, musical improvisation, EEG, coherence, brain hemispheres, frequency band.

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**Artamonov D. G.**

**Psychological characteristics of process of semantic perception of the text**

*In article possible psychological models of interaction of the reader and the text are considered. Features of theoretical hermenevichesky, psychosemantic approaches are given to the analysis of factors of semantic perception of literature.*

**Keywords:** *hermeneutics, literary text, psychosemantics, scientific methodology, understanding.*

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**Kryuchkova A. S.**  
**Psychogenetic features of aggression in children and teenagers**

*A molecular genetic and psychological study 32 individuals aged 12–13 years. It is shown that genotype VM of COMT (rs4680) gene may be the risk factor of the inclination to aggressive behavior. Data should be considered when conducting psychological – preventive measures.*

**Keywords:** *psychogenetic research, aggressiveness, genotype, genetic factors, individual differences in aggressiveness.*

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**Grimoltanova R. E.**

**Psychology of influence of religious doctrines and totalitarian cults on personal features in a context of various psychological approaches**

*This article is devoted to analyse of influence of psychology of religion and a religious cult on formation of the valuable and semantic sphere and behavior both the certain person, and social group as a whole. Also the structure of the changed condition of consciousness and obsession as one of types of the changed condition of consciousness and its consequence on mentality of the person are analysed.*

**Keywords:** religion psychology, totalitarian cult, religious cult, the cult manipulations, the changed conditions of consciousness, obsession, ekzortsizm, neurosis.

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**Kolomiychenko E. V.**

**Theoretical analysis of the content of I-physical and I-aesthetic girls professionally engaged in cheerleading**

*This article discusses the theoretical aspects of the self to the self-image of the persons differently related to physical education and sport. The necessity of the self-study, gender identity, relationship to his self-image as a I-physical and I-aesthetic girls involved in cheerleading, girls, “intermingled” and “not intermingled” in physical education and sport. Provides a definition of “intermingled” and “not intermingled” in physical education and sport. Describes the methodological tools of the pilot study, including the author's profile for selection of test girls. The object of the research are girls aged 8 to 20 years, engaged in cheerleading, “intermingled” and “not intermingled” physical culture and sport, only 45 people.*

*A description of the empirical studies of perception of self-image, both physical and aesthetic in respondents' conclusions about the severity of gender identity and the self girls dealing with cheerleading, "intermingled" and "not intermingled" in physical education and sport.*

**Keywords:** *self-image, I-physical, I-aesthetic, self-image, introduction to the sport, not the communion of the sport, gender.*

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### **Shkurko T. A., Shevchenko Y. Attitude to dance of young people with different age of sexual debut**

*The article presents the results of research to do with the attitude to dance of young people with different age of sexual debut. Reseach was based on the socio-psychological approach to the dance. Empirical object of study were 80 people – boys and girls aged 18 to 28 years. It is shown that there are differences in attitude to the dance in young people – both depending on the age of sexual debut, and on the sexual experience of respondents at all.*

**Keywords:** *dance, sexuality, attitude to dance, dance functions, socio-psychological approach to the dance.*

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**Berlova T. N.**

**Behavioral patterns in connection with working student's professional training career strategies**

*The necessity of research student's professional training career strategies and behavioral patterns included in the content of its operational component is proved in the article. Definitions of professional career and its strategies are given in the article, the contents of strategies components are disclosed, types of student's professional training career strategies are described. The technique of studying of operational component of student's professional training career strategies is described. In research took part 125 working students, 39 men and 86 women aged from 19 to 55 years. Results of research of the behavioral patterns that make up the leading content of operational component of the three most students preferred strategies in connection with sex of the respondents are given. The conclusion about distinction in the behavioral patterns connected with student's professional training career strategies «Estheticism in work», «Self-preservation and recognition in study» depending on a sex of subjects is drawn.*

**Keywords:** professional-training career, strategy, behavioral patterns.

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**Butenko V. S.**

**Educational environment of the university and the role of the psychologist in its development**

*In this article the author examines the educational environment of higher education institution, the problems of creating a safe learning environment, and the role of psychological services higher education in its formation. The paper shows that the psychological safety of the educational environment can be considered as the most important condition that allows her to give developing character.*

**Keywords:** education environment, psychological support, the university, psychological services, safe learning environment.

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**Denisova E. G., Gomonova E. N., Miroshnichenko S. S.**  
**Characterological correlates of dysfunctional beliefs psychology students**

*This article represents the results of the correlation study on the relationship dysfunctional beliefs of psychology students with their character traits, values, orientation and defense mechanisms in communication.*

**Keywords:** beliefs, dysfunctional beliefs, character, values, cognitive-behavioral therapy.

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**Chernikh O. V.**  
**Learning person's competence model  
 development**

*A learning person's competence forming problem is under research. The learning person's competence model development technology is suggested under conditions of entering the new generation of educational standards based on comparison analysis of classical and post-industrial educational process organization approaches. The system is under transformation while solving the range of problems: 1) how one can achieve a substantial validity of the educational system; 2) the definition of constructional system validity; 3) monitoring process inclusion for educational system reliability check; 4) finally educational system efficiency check.*

*The importance of the learning person's competence model development problem is defined by several contradictions, described at the end of this paper.*

**Keywords:** *competence, model, cluster, validity, reliability, monitoring, controlled education.*

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