

List of abstracts

of publications presented by Assist. Prof. Natasha Lyubomirova Koleva, PhD, in participation in the announced by Bishop Konstantin Preslavski University of Shoumen in SG, issue. 97 / 10.12.2019 Contest for the occupation of the academic position Associate Professor in the field of higher education 1. Pedagogical sciences, professional field 1.2. Pedagogy (Education Theory and Didactics - Educational Technologies)

1. Koleva N. The Digital Competencies of Bulgarian Teachers, Bishop Konstantin Preslavski University Publishing House, Shumen, 2019. ISBN 978-619-201-335-6

The monograph deals with the concept of digital competence and its components, defined by the European Commission. A detailed review of the DigCompEdu European Framework for the Digital Competence of Educators has been made and its applicability in the context of the Bulgarian education. The aim of the study is to determine the current state of digital competence of Bulgarian pedagogical specialists through a study based on the DigCompEdu European Framework. The results are analyzed and presented. The typology of the pedagogues has been defined in terms of to their digital competence.

2. Koleva N. Blended Education in University Education, Bishop Konstantin Preslavski University Publishing House, Shumen, 2019, ISBN 978-619-201-289-2.

The monograph deals with contemporary interactive methods, technologies and web-based tools, applicable to education. A university-approved blended learning model is described that allows for the creation of a flexible non-linear learning process that lacks time, content or technology constraints. The model incorporates elements of collaborative learning as an effective interactive process that follows the ideas of person-centered approach to learning and those of constructivism. The results of the applied model are analyzed and show an increase in the students' motivation and knowledge. By combining educational technologies for blended and collaborative learning optimal results have been achieved, shown in a successful combination of theoretical knowledge of the discipline and their application in practice.

3. Koleva N. Elementary Teacher and Computer Modeling, Pedagogy Magazine, Year XCI Book 8 2019, p. 1183, <https://pedagogy.azbuki.bg/pedagogics/pedagogyarticle/pedagogyarticle2016-4/nachalniyat-uchitel-i-kompyutarnoto-modelirane/>

The article presents the European policies for digitizing the development of digital competences of Bulgarian students and specifically the introduction of the subject "Computer Modeling". The results of a study on the subject among teachers in all grades of the Bulgarian educational system and with different pedagogical experience are presented. The survey aims to establish the attitude of the Bulgarian teachers to the need to introduce the subject "Computer Modeling" at an early stage and also to find out how much they are prepared to teach the new discipline.

4. Koleva N. DIGITAL COMPETENCES IN CONTEMPORARY BULGARIAN EDUCATION, SocioBrains, ISSUE 62, OCTOBER 2019, international scientific online journal publisher:www.sociobrains.com, ISSN 2367-5721, <http://sociobrains.com/bg/top/issues/Issue+62%2C+October+2019/>

The article addresses some of the challenges facing education as a result of technological advances. Changes in the Bulgarian educational system in support of the development of digital competences of Bulgarian students were monitored and the results of a study conducted on the topic among teachers were presented.

5. Koleva N. A Study of the Digital Competences of Bulgarian Educators, Annual of Konstantin Preslavsky University, Shumen, Volume XXIII D, Faculty of Education, 2019, <http://shu.bg/sites/default/files/izdaniq/pf/godishnici/godishnik-2019.pdf>

The publication analyses the results from the conducted research among Bulgarian teachers about their digital competencies, according to the European Framework for Digital Competencies DigCompEdu from 2017. This European Framework does not focus on the teacher's technical skills, but on the integration of the digital competencies and innovations for improving the education.

6. Koleva N. Regulatory Framework for the Digital Competences of Educators, Collection of Scientific Papers "Innovations in Education" University of Shumen "Bishop Konstantin Preslavski", Faculty of Education, Shumen, 2019, http://shu.bg/sites/default/files/izdaniq/pf/patuvashti/Sbornik-patuvashti-seminari_2019.pdf

The study looks at the European education policies, regarding the key competences for lifelong learning for European citizens and the emphasis on improving the digital competences. The qualifications frameworks established by the European Commission and Bulgaria, including the Digital Competence Framework adapted in 2017, are being studied.

7. Колева Н. STUDENTS ATTITUDE TOWARD E-LEARNING. Сп. Sociobrains, Issue 45, May 2018, international scientific online journal publisher: www.sociobrains.com, ISSN 2367-5721, <http://sociobrains.com/bg/top/issues/Issue+45%2C+May+2018/>

The publication follows students' attitude towards e-learning, presented in four-stage surveys in the years 2006, 2009, 2015 and 2018. The results are showing an increasing interest of the learners towards an innovative educational process and the corresponding teachers response to the students' needs

8. Koleva N. The team - nature, organization, models. In: Annual of Konstantin Preslavsky University, Shumen, Volume XXII D, Faculty of Education, 2018, <http://shu.bg/sites/default/files/izdaniq/pf-godishnik2018.pdf>

The article examines the nature of the work team, its structure and management. Knowledge and proper team management are a basic prerequisite for effective student's work to achieve educational goals and to build and improve their teamwork skills.

9. Koleva, N., E. Koleva, S. Georgieva, REALIZATION OF THE INTEGRATIVITY IN THE EDUCATIONAL PROCESS TROUGH VIRTUAL CLASSROOM, Knowlegde – International Journal Scientific papers Vol. 19.2, p. 555 - 560, Skopje, 2017.

The article offers analysis and results of a research focusing on the "Application of the integrative approach in the educational process though virtual classroom". The strengths and

the weaknesses of the virtual classroom tools for students and teachers are pointed. On one hand are commented the interdisciplinarity and the team work between teachers and/or students as ways of the educational integration increasement, and on the other - combination of multiple students activities or variety of teaching methods like combination of different media furnishing teaching/ training materials – text, images, audio, video files, hyperlinks - and/or combination of various activities - work on a shared documents, test solving, research, discussions, mind maps etc.. The analysis lead to the following conclusions: virtual classroom users have a positive attitude concerning the increasement of the integrativity as a result of its application in the educational process. They point a high level of instruments worth, a high level of integrativity realization and a high level of positive attitude about its application in practice. Positive appreciations are more than the negatives which concern the technical value and are about to be solved.

10. Koleva N. Collaborative Learning - Advantages and Disadvantages, Annual of Konstantin Preslavsky University, Shumen, Volume XXI D, 2017, http://shu.bg/sites/default/files/izdaniq/God_na_PF_2017.pdf

Collaborative learning is a modern learning approach based on the ideas of constructivism, personalized and interactive learning. The publication examines the essence and impact of collaborative learning on learner results in both theoretical and applied aspects.

11. Koleva N. Google Drive and its Educational Application, Annual of Konstantin Preslavsky University, Shumen, Volume XIX D, Faculty of Education, 2016, http://shu.bg/sites/default/files/izdaniq/God_na_PF_2016.pdf

Services of technology corporation Google contains multiple tools, useful for individual and group activities. Applications are oriented towards network interaction between people. For educational purposes the most important are opportunities for communication and collaboration.

12. Koleva N. Blended Learning as a Contemporary Form of University Education, Collection of Scientific Papers Innovations in Education, Bishop Konstantin Preslavski University of Shumen, Faculty of Education, Shumen, 2016, <http://shu.bg/faculties/pf/izdaniq/pyt-seminar-2016>

Blended Learning is a logical and natural consequence of the evolution of the traditional model of education. This technology offers a combination of innovative technical developments in e-learning and verified long experience of traditional teacher-student interaction within the classes. Blended Learning maintain motivation by personalizing the educational process, maintaining an atmosphere of friendliness and orientation of success.

13. Koleva N. GOOGLE Tables and Doctopus - Cloud Teachers of the Modern Teacher. In the Annual of the University of Shumen, Volume 19 D 2015. Shumen, 2015, http://shu.bg/sites/default/files/izdaniq/God_na_PF_2015.pdf

The Office apps from technology giant Google are increasingly popular, including for educational purposes. Doctopus Add-on to the online spreadsheet is a powerful tool in the hands of the teacher, with which he can organize and rate the learning projects fast and effective. At the same time, Doctopus allows a constant insight into the work of the students and easy communication between teacher and students.

14. Koleva N. Health and Lifestyle of Students at the University of Shoumen. Methodical Aspects of Physical Education and Sports, University Publishing House 2009, ISBN 978-954-577-459-1. In co-authorship with N. Yordanova, T. Simeonova

The publication presents the results of a study on the health and lifestyle of students from the Bishop Konstantin Preslavski University of Shumen, adopted in 2008. The purpose of the study is to study the factors that influence the health and physical fitness of young people, to conduct and analyze a survey to evaluate the health status of students and their knowledge of healthy lifestyles. Recommendations have been made to improve the health status of young people and enhance their health culture

15. Koleva N. Condition of physical fitness of newly admitted students at the University of Shoumen during the study. 2008/2009 sport. Methodical Aspects of Physical Education and Sports, University Publishing House, 2009, ISBN 978-954-577-459-1. In co-authorship with N. Yordanova, T. Simeonova, K. Minev

The publication examines the results of a study of the physical fitness of first-year students at the Bishop Konstantin Preslavski University of Shumen in the 2008/2009 academic year. At this age, it is important to maintain physical fitness and build conviction and motivation for movement activity, such as the need of every modern person in the fight against hypodynamics and inappropriate lifestyle. Based on tests conducted to assess the health status of students, the publication presents the results obtained and makes recommendations for improving the health status of young people.

16. Koleva N. The study of the opinion of the students of the 9th grade on the effectiveness of training in physical education and sport in relation to the DRI and standards // Scientific Conference RU & SU, 30-31.10.2009. <http://conf.uni-ruse.bg/en/docs/cp09/8.2/8.2-18.pdf> In co-authorship with T. Simeonova and N. Yordanova

The State educational requirements for physical education and sport in our country identify the main objectives of the subject, as a specific educational process. Effectiveness of training is summarized based on the views of students from ninth grade to professional schools and mainstream schools.

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