

Characteristics of the submitted research/ artistic/other output

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Document type: Characteristics of the submitted research/ artistic/other output

The name of the university Comenius University Bratislava

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OCA1. - Surname awarded to the assessed person	Belešová
OCA2. - Name awarded to the assessed person	Mária
OCA3. - Degrees awarded to the assessed person	doc. PaedDr., PhD.
OCA4. - Hyperlink to the entry of the person in the Register of university staff	https://www.portalvs.sk/regzam/detail/19140

1st evaluated output

OCA5.1 - Area of assessment

Preschool and Elementary Pedagogy (1st degree), Teaching for Primary Education (2nd degree), Teacher Education for Primary Schools (integrated 1st and 2nd degree), Preschool and Elementary Pedagogy (3rd degree)

OCA6.1 - Category of the research/ artistic/other output

scientific output

OCA7.1 - Year of publication of the research/artistic/other output

2024

OCA8.1 - ID of the record in the Central Registry of Publication Activity (CRPA) or the Central Registry of Artistic Activity (CRAA)

ID = 2016001

OCA9.1 - Hyperlink to the record in CRPA or CRAA

<https://petra.uniba.sk/?fn=detailBiblioFormChildA2OHH&sid=707CEFE8D2EA66AE59C506AB7ED&seo=PETRA-detail-%C4%8C%C3%A1nok>

Title of the publication to which the hyperlink points

Changes in the motor performance of children in primary education

Suggested output quality level

A+

OCA16.1 - Annotation of the output in English

The output annotation reflects the creative process of the research activity focused on the analysis of changes in the motor performance of children of younger school age over a time horizon of 20 years. The creative process was based on the comparison of historical and current empirical data, and was based on a quantitative research design and the use of standardized tests from the EUROFIT battery. The research included a large group of 924 children from primary education in several cities in eastern Slovakia, which enabled a comprehensive assessment of somatic and motor characteristics depending on age and gender. The content of the creative activity consisted of statistical processing and interpretation of data, identification of developmental trends and analysis of the causes of the detected changes. The output points to an increase in body weight and BMI of children and at the same time a decrease in selected motor skills, thereby contributing to a deeper understanding of the current state of motor performance of the child population and its broader context.

OCA18.1 - Characteristics of the output's impact on socio-economic practice

The output has a significant impact on socio-economic practice, especially in the field of education, public health and prevention of civilization diseases. The identified deterioration of motor performance and increase in body weight of children point to the need for systematic measures aimed at supporting physical activity already in primary education. The findings can be used in the creation of educational policies, innovation of the physical and sports education curriculum and in setting up preventive programs in both school and extracurricular environments. In terms of broader social impact, the output contributes to increasing awareness of the importance of a healthy lifestyle and the need for early intervention in the area of children's physical habits. In the long term, the implementation of the recommendations can contribute to reducing health risks of the population and thus also to reducing the economic burden on the health system.

OCA19.1 - Characteristics of the output and related activities' impact on the educational process

The output has a significant impact on the educational process, especially in the field of physical education and sports in primary education. The findings point to the deterioration of children's motor performance and an increase in body weight, which emphasizes the need for systematic diagnostics of motor skills and targeted intervention in the school environment. The research results can serve as a basis for teachers to adjust teaching strategies, differentiate teaching and individualize the approach to students. Related activities, such as the use of standardized tests or regular monitoring of student development, support the development of pedagogical diagnostics and reflective practice of teachers. The implementation of the recommendations can contribute to increasing the quality of teaching, supporting physical literacy and motivating students to an active lifestyle. At the same time, it strengthens the connection between theoretical knowledge and practical implementation of teaching.

2nd evaluated output

OCA5.2 - Area of assessment

Preschool and Elementary Pedagogy (1st degree), Teaching for Primary Education (2nd degree), Teacher Education for Primary Schools (integrated 1st and 2nd degree), Preschool and Elementary Pedagogy (3rd degree)

OCA6.2 - Category of the research/ artistic/other output

scientific output

OCA7.2 - Year of publication of the research/artistic/other output

2022

OCA8.2 - ID of the record in the Central Registry of Publication Activity (CRPA) or the Central Registry of Artistic Activity (CRAA)

ID: 1009579

OCA9.2 - Hyperlink to the record in CRPA or CRAA

<https://petra.uniba.sk/?fn=detailBiblioForm&sid=1A965244A0E4343C7F19F67AD83C>

Title of the publication to which the hyperlink points

Physical literacy in education

Suggested output quality level

A-

OCA16.2 - Annotation of the output in English

The monograph brings together theoretical and practical knowledge about the importance of children's movement in the current era, about children's behavior and characteristics, about children's physical activity and diet, about children's leisure time, about literacy as a tool that enables further research and as such creates a deeper and broader approach to the concepts and discourse that students study at universities. The monograph also presents how physical education is implemented in Slovakia according to the State Education Program for Primary Education and its educational area Health and Movement, which deals in more detail with the development of physical literacy, diagnosing pupils and stretching exercises.

OCA17.2 - List of maximum 5 most significant citations corresponding to the output

[n2] 2023 sk ~ Benčuriková, Ľubomíra - Labudová, Jana. : Analýza úrovne plaveckých kompetencií žiakov mladšieho školského veku - In: Žiak, pohyb, edukácia : vedecký zborník 2023 . -Bratislava : Univerzita Komenského v Bratislave, 2023 ; S. 30

[n2] 2023 sk ~ Ondrejková, Oľga Filipa - Gregor, Tomáš. : Polyvagálna teória a jej využitie v psychofyziológii športovej prípravy - In: Žiak, pohyb, edukácia : vedecký zborník 2023 . -Bratislava : Univerzita Komenského v Bratislave, 2023 ; S. 126

[n2] 2023 sk ~ Gregor, Tomáš - Ondrejková, Oľga Filipa - Zbončák, Ľubomír - Harsa, Pavel. : Ideové východiská západných pohybových cvičení a športu - In: Žiak, pohyb, edukácia : vedecký zborník 2023 . -Bratislava : Univerzita Komenského v Bratislave, 2023 ; S. 57

[n2] 2023 sk ~ Skrypko, Anatol - Szewczyk, Piotr - Skrypko, Denis. : Ewolucja sportow pod wplywem postępu naukowo-technologicznego - In: Žiak, pohyb, edukácia : vedecký zborník 2023 . -Bratislava : Univerzita Komenského v Bratislave, 2023 ; S. 135

[n2] 2023 sk ~ Skrypko, Anatol - Szewczyk, Piotr - Skrypko, Denis. : Primenenie v fysičskom vospitanii studentov novych metodik i tehnologij - In: Žiak, pohyb, edukácia : vedecký zborník 2023 . -Bratislava : Univerzita Komenského v Bratislave, 2023 ; S. 138

OCA18.2 - Characteristics of the output's impact on socio-economic practice

At the same time, the monograph provides information on the constitution of the scientific discipline "Sports Science" in Slovakia and approximates the structure of its three scientific branches. In the monograph, we present some of our research longitudinal observations, which are based on our pedagogical and coaching practice in several sports and are related to movement literacy. In the monograph, we present the characteristics of the basic concepts in the scientific field of Sports Science, which include motor learning, movement competences, movement habits, movement skills and movement skills. Part of the monograph is also an approach to movement and its importance for the overall development of the personality, where the importance of regular physical activity, motivation to move and the impact of movement itself on the healthy psyche of children in all age categories play an important role.

OCA19.2 - Characteristics of the output and related activities' impact on the educational process

The monograph represents a theoretical and empirical contribution to the issue of movement literacy in the education of children of preschool age and children of younger school age. We focus in more detail on the importance of children's movement nowadays, on physical activities and support for movement. We also analyze the curricular program of formal physical education and sports education in Slovakia. Part of the monograph is a presentation of some selected research carried out by us, which bring the results of changes in movement abilities and skills of pupils in primary education. We perceive the monograph as a work that in this form can be used in schools not only by physical education teachers, but also by trainers in the physical education process. At the same time, the monograph offers a factual space for researchers and other experts dealing with the subject matter in the empirical field, as well as in scientific research.

3rd evaluated output

OCA5.3 - Area of assessment

Preschool and Elementary Pedagogy (1st degree), Teaching for Primary Education (2nd degree), Teacher Education for Primary Schools (integrated 1st and 2nd degree), Preschool and Elementary Pedagogy (3rd degree)

OCA6.3 - Category of the research/ artistic/other output

scientific output

OCA7.3 - Year of publication of the research/artistic/other output

2025

OCA8.3 - ID of the record in the Central Registry of Publication Activity (CRPA) or the Central Registry of Artistic Activity (CRAA)

ID = 2090015

OCA9.3 - Hyperlink to the record in CRPA or CRAA

<https://petra.uniba.sk/?fn=detailBiblioFormChildU1TC7&sid=A52CD39B62CA40B3DEA98D60AA87&seo=PETRA-detail-%C4%8C%C3%A1nok>

Title of the publication to which the hyperlink points

Speech register of female teachers in primary education

Suggested output quality level

OCA16.3 - Annotation of the output in English

The output annotation reflects the creative process and content of the research activity focused on the analysis of the speech register of primary school teachers in the conditions of Slovak education. The creative process was based on the identification of a research gap in the field of quantitative research of the pragmatic level of school discourse, while it was supported by interdisciplinary theoretical foundations from linguistics, pedagogy and psychology. Subsequently, a research design was proposed based on structured observation of authentic communication between teachers and students during teaching in the 1st to 4th grades of primary school. The content of the creative activity consisted in the systematic categorization of communication acts according to their function and in the analysis of the frequency of their occurrence. The results pointed to the dominance of instructional and regulatory speech acts (challenge, instruction, need for information, encouragement), while evaluative acts (praise, warning) were less represented. The findings also indicate that teachers use a relatively rich speech register, which has the potential to positively influence the communicative development of students. The output contributes to a deeper understanding of school discourse and points to the importance of the teacher's conscious work with language resources in the educational process.

OCA18.3 - Characteristics of the output's impact on socio-economic practice

The output has the potential to significantly influence pedagogical practice, especially in the area of developing the communicative competences of teachers and pupils in primary education. The identification of the frequency and types of speech acts provides teachers and policy makers with concrete knowledge about how classroom communication shapes the learning environment and supports (or limits) the development of pupils' language and social skills. The findings can be used to innovate pre- and further professional training of teachers, especially in the area of pragmatic language competence and reflective pedagogical practice. In terms of social impact, the output contributes to improving the quality of education, as it supports a more conscious and effective use of communication strategies in teaching. In a broader context, it can help develop pupils' language literacy, which has long-term significance for their application in society and the labour market.

OCA19.3 - Characteristics of the output and related activities' impact on the educational process

The output significantly contributes to improving the quality of the educational process through a deeper understanding of the role of the teacher's speech register in classroom communication. The findings point to the dominance of instructive and controlling speech acts, which confirms the directive nature of school discourse, but at the same time opens up space for a more conscious balancing of regulatory and supportive communication functions. The output emphasizes the need to develop teachers' communication competence, especially the ability to flexibly adapt language to the age of students and pedagogical goals. The proposed recommendations, such as communicative self-reflection, professional education, or voice cultivation, have the potential to directly influence the quality of classroom interaction, support active student participation, and create a positive educational climate. The implementation of these approaches can lead to more effective acquisition of students' language skills and an overall increase in the quality of teaching in primary education.

4th evaluated output**OCA5.4 - Area of assessment**

Preschool and Elementary Pedagogy (1st degree), Teaching for Primary Education (2nd degree), Teacher Education for Primary Schools (integrated 1st and 2nd degree), Preschool and Elementary Pedagogy (3rd degree)

OCA6.4 - Category of the research/ artistic/other output

scientific output

OCA7.4 - Year of publication of the research/artistic/other output

2023

OCA8.4 - ID of the record in the Central Registry of Publication Activity (CRPA) or the Central Registry of Artistic Activity (CRAA)

ID = 1119235

OCA9.4 - Hyperlink to the record in CRPA or CRAA

<https://petra.uniba.sk/?fn=detailBiblioFormChildM3JOE&sid=DEAC73F7171E81681429125D4860&seo=PETRA-detail-%C4%8C%C3%A1nok>

Title of the publication to which the hyperlink points

Suggested output quality level

A+

OCA16.4 - Annotation of the output in English

In the contribution, the authors approach the issue of the movement performance of Roma children of younger school age by following the trends in the development of somatic and movement characteristics over a 20-year period. Our research was attended by (668 children) from elementary schools from five cities in the East Slovak region. The aim of the contribution is to identify the current state and level of somatic and motor characteristics of Roma children in primary education in primary schools of the East Slovak region in relation to age and gender. To determine the level of movement skills, we used selected tests from the EUROFIT battery. We compared the achieved research results of all children in our research (File: R 2019) with the research results of twenty years ago (Horváth: R 2001). By analyzing and comparing the results, we point out development trends after a 20-year period and at the same time provide an analysis of the causes of possible changes.

OCA17.4 - List of maximum 5 most significant citations corresponding to the output

1. Assessment of physical fitness of young rugby players of the club „MKS Ogniwo Sopot" after a year of systematic training / Póltoranos, Martyna (Autor) (50%) ; Perkowski, Radoslaw (Autor) (50%). – DOI 10.12775/JEHS.2024.61.51862 **In:** *Journal of education, health and sport* [elektronický dokument] . – Bydgosz (Poľsko) : University in Bydgosz. – ISSN (online) 2391-8306. – Roč. 61 (2024), 51862, s. [1-16] [online]
2. Vplyv nepriaznivých skúseností z detstva na biopsycho-sociálne-duchovné aspekty vývoja dieťaťa a dospievajúceho = Impact of adverse childhood experiences on the biopsycho-socio-spiritual aspects of child and adolescent development / Ondrejková, Oľga Filipa [Autor, 40%] ; Gregor, Tomáš [Autor, 20%] ; Červenka, Denis [Autor, 30%] ; Harsa, Pavel [Autor, 10%]. **In:** *Žiak, pohyb, edukácia* [elektronický dokument] : vedecký zborník 2024 = scientific proceedings 2024 / Merica, Marián [Zostavovateľ, editor] ; Belešová, Mária [Zostavovateľ, editor] ; Skrypko, Anatol [Recenzent] ; Görner, Karol [Recenzent]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (elektronické) 978-80-223-5909-2, s. 177-188 [CD-ROM]
3. Training technologies in conditioning of footballers / Skrypko, Anatol (Autor) (25%) ; Ševčík, Peter (Autor) (25%) ; Skripko, Denis (Autor) (25%) ; Skripko, Maxim (Autor) (25%). **In:** *Žiak, pohyb, edukácia* [elektronický dokument] : vedecký zborník 2024 = scientific proceedings 2024 / Merica, Marián [Zostavovateľ, editor] ; Belešová, Mária [Zostavovateľ, editor] ; Skrypko, Anatol [Recenzent] ; Görner, Karol [Recenzent]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (elektronické) 978-80-223-5909-2, s. 20-29 [CD-ROM]
4. Vplyv systematickej psychologickéj prípravy na výkonnosť reprezentantov v športovej streľbe = Impact of systematic psychological preparation on top athletes performance in sport shooting / Červenka, Denis [Autor, 50%] ; Ondrejková, Oľga Filipa [Autor, 30%] ; Gregor, Tomáš [Autor, 5%] ; Kaplánová, Adriana [Autor, 15%]. **In:** *Žiak, pohyb, edukácia* [elektronický dokument] : vedecký zborník 2024 = scientific proceedings 2024 / Merica, Marián [Zostavovateľ, editor] ; Belešová, Mária [Zostavovateľ, editor] ; Skrypko, Anatol [Recenzent] ; Görner, Karol [Recenzent]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (elektronické) 978-80-223-5909-2, s. 37-49 [CD-ROM]

OCA18.4 - Characteristics of the output's impact on socio-economic practice

Findings from the paper can support the development of programs aimed at improving physical activity in Roma communities, thereby strengthening integration and improving educational outcomes. Better motor performance can affect children's ability to learn and develop other skills. Improving motor skills can contribute to increasing children's self-confidence and social interaction, which will positively affect their social environment and family relationships. Work on improving motor performance can increase awareness of the needs of Roma children and support practice aimed at reducing social and economic inequalities. The overall impact of research findings can contribute to the long-term development of Roma communities and their integration into wider society.

OCA19.4 - Characteristics of the output and related activities' impact on the educational process

The effects on the educational process can be as follows: Increasing children's motor performance can contribute to the overall improvement of their physical condition, which will positively affect their ability to concentrate on learning and engage in various (not only physical) activities. The implementation of programs focused on motor performance can provide opportunities to combine physical education with other subjects such as biology, healthy lifestyle and ethical education. Improving motor skills can increase children's self-confidence, which can have a positive effect on their engagement in education and willingness to participate in various activities. Activities aimed at improving motor performance can promote cooperation between children, which is valuable not only for physical education, but also for the development of social skills. Educational institutions can organize sports days or competitions that encourage children to be actively involved in physical (motor/sports) activities. Also, professional development for teachers in the field of physical education and access to children from marginalized groups can contribute to more effective education.

5th evaluated output

OCA5.5 - Area of assessment

Preschool and Elementary Pedagogy (1st degree), Teaching for Primary Education (2nd degree), Teacher Education for Primary Schools (integrated 1st and 2nd degree), Preschool and Elementary Pedagogy (3rd degree)

OCA6.5 - Category of the research/ artistic/other output

scientific output

OCA7.5 - Year of publication of the research/artistic/other output

2024

OCA8.5 - ID of the record in the Central Registry of Publication Activity (CRPA) or the Central Registry of Artistic Activity (CRAA)

ID = 1988227

OCA9.5 - Hyperlink to the record in CRPA or CRAA

<https://petra.uniba.sk/?fn=detailBiblioFormChildU2NPR&sid=18DD23044A020D16FD1CDB83A306&seo=PETRA-detail-%C4%8Cl%C3%A1nok>

Title of the publication to which the hyperlink points

The influence of movement games on changes in coordination skills in children of younger school age

Suggested output quality level

A+

OCA16.5 - Annotation of the output in English

The paper focuses on investigating the impact of motor games on the development of coordination skills in children of younger school age, with the research being conducted on a sample of 40 4th grade elementary school students in the Roma settlement of Lomnička. The aim of the research was to verify how regular implementation of motor games for eight weeks will affect the level of motor performance of children, especially in the areas of coordination, balance and reaction speed. The participants were divided into experimental and control groups, with performance measured using standardized motor tests (e.g. skipping rope, catching a ball, the "Flamingo" balance test). The statistical methods Student's t-test and Mann-Whitney U-test were used to evaluate the results. The results indicate a positive impact of motor games on the development of coordination skills, especially in the "skipping rope" and "catching a ball" tests. The authors emphasize the importance of regular and playful movement in primary education, especially for children from socially disadvantaged backgrounds, where physical activity can have not only a developmental, but also a motivational and preventive character.

OCA17.5 - List of maximum 5 most significant citations corresponding to the output

1. Diagnostika porúch pohyblivosti chrbtice z aspektu somatických charakteristík študentov múzických umení = Diagnosis of spinal mobility disorders from the perspective of somatic characteristics in students of performing arts / Marko, Michal (Autor) (34%) ; Adamčák, Štefan (Autor) (33%) ; Maľová, Lucia (Autor) (33%). **In: Žiak, pohyb, edukácia** [elektronický dokument] : vedecký zborník 2024 = scientific proceedings 2024 / Merica, Marián [Zostavovateľ, editor] ; Belešová, Mária [Zostavovateľ, editor] ; Skrypko, Anatol [Recenzent] ; Görner, Karol [Recenzent]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (elektronické) 978-80-223-5909-2, s. 147-156 [CD-ROM]
2. Osobitosti pohybu vo vodnom prostredí [elektronický dokument] [textový dokument (print)] [monografia] / Labudová, Jana [Autor, 100%] ; Ružbarský, Pavel [Recenzent] ; Masaryková, Dana [Recenzent]. – 1. vyd. – Bratislava (Slovensko) : Slovenská vedecká spoločnosť pre telesnú výchovu a šport, 2024. – 96 s. [4,13 AH] [online]. – ISBN (elektronické) 978-80-8251-020-4
3. Vplyv nepriaznivých skúseností z detstva na biopsycho-sociálne-duchovné aspekty vývoja dieťaťa a dospievajúceho = Impact of adverse childhood experiences on the biopsycho-socio-spiritual aspects of child and adolescent development / Ondrejková, Oľga Filipa [Autor, 40%] ; Gregor, Tomáš [Autor, 20%] ; Červenka, Denis [Autor, 30%] ; Harsa, Pavel [Autor, 10%]. **In: Žiak, pohyb, edukácia** [elektronický dokument] : vedecký zborník 2024 = scientific proceedings 2024 / Merica, Marián [Zostavovateľ, editor] ; Belešová, Mária [Zostavovateľ, editor] ; Skrypko, Anatol [Recenzent] ; Görner, Karol [Recenzent]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (elektronické) 978-80-223-5909-2, s. 177-188 [CD-ROM]
4. Training technologies in conditioning of footballers / Skrypko, Anatol (Autor) (25%) ; Ševčík, Peter (Autor) (25%) ; Skripko, Denis (Autor) (25%) ; Skripko, Maxim (Autor) (25%). **In: Žiak, pohyb, edukácia** [elektronický dokument] : vedecký zborník 2024 = scientific proceedings 2024 / Merica, Marián [Zostavovateľ, editor] ; Belešová, Mária [Zostavovateľ, editor] ; Skrypko, Anatol [Recenzent] ; Görner, Karol [Recenzent]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (elektronické) 978-80-223-5909-2, s. 20-29 [CD-ROM]
5. Vplyv systematickej psychologickéj prípravy na výkonnosť reprezentantov v športovej streľbe = Impact of systematic psychological preparation on top athletes performance in sport shooting / Červenka, Denis [Autor, 50%] ; Ondrejková, Oľga Filipa [Autor, 30%] ; Gregor, Tomáš [Autor, 5%] ; Kaplánová, Adriana [Autor, 15%]. **In: Žiak, pohyb, edukácia** [elektronický dokument] : vedecký zborník 2024 = scientific proceedings 2024 / Merica, Marián [Zostavovateľ, editor] ; Belešová, Mária [Zostavovateľ, editor] ; Skrypko, Anatol [Recenzent] ; Görner, Karol [Recenzent]. – 1. vyd. – Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2024. – ISBN (elektronické) 978-80-223-5909-2, s. 37-49 [CD-ROM]

OCA18.5 - Characteristics of the output's impact on socio-economic practice

The outputs of the contribution have a significant impact on socio-economic practice, especially in the area of supporting a healthy lifestyle and preventing civilization diseases. Physical games as a natural means of developing motor skills and coordination represent an effective, inexpensive and sustainable tool for supporting the physical and mental health of children. The implementation of research findings into practice can lead to an increase in the quality of school physical education programs, which has a long-term impact on reducing health risks and strengthening the physical performance of the population. At the same time, it supports interdisciplinary cooperation between educators, sports instructors and health professionals, thereby contributing to a more efficient use of public resources in the field of education and public health.

OCA19.5 - Characteristics of the output and related activities' impact on the educational process

The results of the work have a direct impact on improving the quality of the educational process in primary education, especially in the field of physical education. The contribution points to the importance of targeted integration of movement games into teaching as a means of developing children's coordination skills. The findings can serve as a basis for innovations in curricula, methodological materials and training programs for teachers. Practical recommendations help teachers effectively plan and implement movement activities that are adapted to the age and individual needs of students. A significant benefit is also the support of inclusive education - movement games allow all children to be involved regardless of their abilities. The implementation of this knowledge can increase students' motivation to move, support their social interaction and improve the overall atmosphere in the classroom.