

Research/art/teacher profile of a person

Name and surname prof. PaedDr. Katarína Žilková, PhD.
Document type: Research/art/teacher profile of a person
The name of the university Comenius University Bratislava
The seat of the university Šafárikovo námestie 6, 818 06 Bratislava

I. - Basic information

I.1 - Surname	Žilková
I.2 - Name	Katarína
I.3 - Degrees	prof., PaedDr., PhD.
I.4 - Year of birth	1971
I.5 - Name of the workplace	Comenius University, Faculty of Education
I.6 - Address of the workplace	Račianska 59, 813 34 Bratislava
I.7 - Position	Professor
I.8 - E-mail address	zilkova1@uniba.sk
I.9 - Hyperlink to the entry of a person in the Register of university staff	https://www.portalvs.sk/regzam/detail/4985
I.10 - Name of the study field in which a person works at the university	Teacher Training and Education Science
I.11 - ORCID iD	https://orcid.org/0000-0002-7561-7385

II. - Higher education and further qualification growth

II.1 - First degree of higher education

II.2 - Second degree of higher education

II.a - Name of the university or institution	University of Education in Nitra, Faculty of Natural Sciences
II.b - Year	1994
II.c - Study field and programme	Teaching of General Education Subjects, Specialisation: Mathematics and Computer Science

II.3 - Third degree of higher education

II.a - Name of the university or institution	Comenius University in Bratislava, Faculty of Education
II.b - Year	2005
II.c - Study field and programme	Theory of teaching mathematics

II.4 - Associate professor

II.a - Name of the university or institution	University of Prešov, Faculty of Education "
II.b - Year	2012
II.c - Study field and programme	Preschool and elementary pedagogy

II.5 - Professor

II.a - Name of the university or institution	Comenius University in Bratislava
II.b - Year	2019
II.c - Study field and programme	Preschool and elementary pedagogy

II.6 - Doctor of Science (DrSc.)

III. - Current and previous employment

III.a - Occupation-position	III.b - Institution	III.c - Duration
Professor	Comenius University in Bratislava, Faculty of Education	2017 - until now
Professor	Catholic University in Ružomberok, Faculty of Education	12/2013 - 06/2017
Associate Professor	Comenius University in Bratislava, Faculty of Education	06/2012 - 11/2013
Assistant	Comenius University in Bratislava, Faculty of Education	03/2006 - 05/2012
high school teacher	Gymnasium of St. Cyril and Methodius in Nitra	09/1994 - 08/2006

IV. - Development of pedagogical, professional, language, digital and other skills

IV.a - Activity description, course name, other	IV.b - Name of the institution	IV.c - Year
Rigorous exam - teacher training of general education subjects specializing in mathematics	Constantine the Philosopher University in Nitra, Faculty of Natural Sciences "	2004

V. - Overview of activities within the teaching career at the university

V.1 - Overview of the profile courses taught in the current academic year according to study programmes

V.1.a - Name of the profile course	V.1.b - Study programme	V.1.c - Degree	V.1.d - Field of study
Teaching geometry in primary education	Teacher training for primary education	II.	Teacher Training and Education Science
Teaching arithmetic in primary education	Teacher training for primary education	II.	Teacher Training and Education Science
Developing a research project	Preschool and elementary pedagogy	III.	Teacher Training and Education Science
Evaluation in primary education	Preschool and elementary pedagogy	III.	Teacher Training and Education Science

V.2 - Overview of the responsibility for the delivery, development and quality assurance of the study programme or its part at the university in the current academic year

V.2.a - Name of the study programme	V.2.b - Degree	V.2.c - Field of study
Preschool and elementary pedagogy	I.	Teacher Training and Education Science
Teacher training for primary education	II.	Teacher Training and Education Science
Preschool and elementary pedagogy	III.	Teacher Training and Education Science

V.3 - Overview of the responsibility for the development and quality of the field of habilitation procedure and inaugural procedure in the current academic year

V.3.a - Name of the field of habilitation procedure and inaugural procedure	V.3.b - Study field to which it is assigned
Subject didactics	Teacher Training and Education Science

V.4 - Overview of supervised final theses	
V.4.1 - Number of currently supervised theses	
V.4.a - Bachelor's (first degree)	1
V.4.b - Diploma (second degree)	4
V.4.c - Dissertation (third degree)	1
V.4.2 - Number of defended theses	
V.4.a - Bachelor's (first degree)	61
V.4.b - Diploma (second degree)	43
V.4.c - Dissertation (third degree)	4
V.5 - Overview of other courses taught in the current academic year according to study programmes	

V.5.a - Name of the course	V.5.b - Study programme	V.5.c - Degree	V.5.d - Field of study
Developing a research project	General scientific basis	III.	Teacher Training and Education Science

VI. - Overview of the research/artistic/other outputs	
VI.1 - Overview of the research/artistic/other outputs and the corresponding citations	
VI.1.1 - Number of the research/artistic/other outputs	
VI.1.a - Overall	158
VI.1.b - Over the last six years	26
VI.1.2 - Number of the research/artistic/other outputs registered in the Web of Science or Scopus databases	
VI.1.a - Overall	21
VI.1.b - Over the last six years	7
VI.1.3 - Number of citations corresponding to the research/artistic/other outputs	
VI.1.a - Overall	244
VI.1.b - Over the last six years	17
VI.1.4 - Number of citations registered in the Web of Science or Scopus databases	
VI.1.a - Overall	102
VI.1.b - Over the last six years	10
VI.1.5 - Number of invited lectures at the international, national level	
VI.1.a - Overall	14
VI.1.b - Over the last six years	2
VI.2 - The most significant research/artistic/other outputs	
1	V1 ID: 75052 Young children's concepts of geometric shapes [textový dokument (print)] [monografia (do2021)] / Žilková, Katarína [Autor, 65%] ; Partová, Edita [Autor, 10%] ; Kopáčová, Janka [Autor, 10%] ; Tkačík, Štefan [Autor, 5%] ; Mokriš, Marek [Autor, 5%] ; Budínová, Irena [Autor, 3%] ; Gunčaga, Ján [Autor, 2%] ; Marcinek, Tibor [Recenzent] ; Molnár, Josef [Recenzent]. – 1. vyd. – Harlow (Veľká Británia) : Pearson, 2018. – 242 s. [tlačaná forma]. – ISBN 978-1-78726-989-7. – WOS CC ; BKCI-S ; BKCI-SSH

2	V2 ID: 442205 The impact of online education on the student's success in the course "teaching geometry in primary education" / Žilková, Katarína [Autor, 50%] ; Kondeková, Alexandra [Autor, 50%] ; Theoretical and Practical Aspects of Distance Learning, 13 [11.10.2021-12.10.2021, Katowice, Poľsko].– WOS CC ; CPCI-SSH. In: E-learning in the Time of COVID-19 [elektronický dokument] [textový dokument (print)] / Smyrnova-Trybulska, Eugenia [Zostavovateľ, editor] ; Delgado, Sixto Cubo [Recenzent] ; Lominadze, Tamar [Recenzent].– 1. vyd.– Roč. 13.– Katowice (Poľsko) : Uniwersytet Slaski w Katowicach, 2021.– ISBN 978-83-66055-25-4.– ISSN 2451-3644.– ISSN (online) 2451-3652, s. 114-124 [online] [tlačená forma]
3	V2 ID: 125033 The content knowledge of Turkish and Slovak pre-service elementary teachers: the case of the square / Duatepe-Paksu, Asuman [Autor, 40%] ; Žilková, Katarína [Autor, 60%] ; CBU International Conference, 6 [21.03.2018-23.03.2018, Praha, Česko].– DOI 10.12955/cbup.v6.1213.– WOS CC. In: CBU International Conference Proceedings 2018 [textový dokument (print)] [elektronický dokument] : Innovations in Science and Education : March 21-23, 2018, Prague, Czech Republic / Hájek, Petr [Zostavovateľ, editor] ; Vít, Ondřej [Zostavovateľ, editor].– [recenzované].– 1. vyd.– Praha (Česko) : CBU Research Institute, 2018.– ISBN 978-80-270-5037-6.– ISBN (elektronické) 978-80-270-5038-3.– ISSN 1805-997X.– ISSN (online) 1805-997X
4	V3 ID: 104031 Understanding of selected geometric concepts by pupils of pre-primary and primary level education / Gunčaga, Ján [Autor, 35%] ; Tkačik, Štefan [Autor, 30%] ; Žilková, Katarína [Autor, 35%].– DOI 10.13187/ejced.2017.3.497.– SCO ; WOS CC ; ESCI. In: European journal of contemporary education [textový dokument (print)] [elektronický dokument] .– Bratislava (Slovensko) : Academic Publishing House Researcher.– ISSN 2304-9650.– ISSN (online) 2305-6746.– Roč. 6, č. 3 (2017), s. 497-515 [tlačená forma] [online]
5	V3 ID: 122197 Visualisation as a method for the development of the term rectangle for pupils in primary school / Gunčaga, Ján [Autor, 50%] ; Žilková, Katarína [Autor, 50%].– DOI 10.13187/ejced.2019.1.52.– WOS CC ; SCO ; ESCI. In: European journal of contemporary education [textový dokument (print)] [elektronický dokument] .– Bratislava (Slovensko) : Academic Publishing House Researcher.– ISSN 2304-9650.6746.– Roč. 8, č. 1 (2019), s. 52-68 [tlačená forma] [online]
VI.3 - The most significant research/artistic/other outputs over the last six years	
1	V3 ID: 1424288 Analysis of the level of geometric thinking of pupils in Slovakia / Žilková, Katarína [Autor, 34%] ; Záhorec, Ján [Autor, 33%] ; Munk, Michal [Autor, 33%].– [recenzované].– DOI 10.3390/educsci15081020.– WOS CC ; ESCI ; SCO. In: Education sciences [elektronický dokument] .– Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute.– ISSN (online) 2227-7102.– Roč. 15, č. 8 (2025), art. no. 1020, s. 1-22 [online]
2	V3 ID: 1449595 Gender and mathematical anxiety by younger school-age children / Osad'án, Róbert [Autor, 25%] ; Žilková, Katarína [Autor, 25%] ; Hamranová, Anežka [Autor, 25%] ; Gunčaga, Ján [Autor, 25%].– [recenzované].– DOI 10.13187/ejced.2025.3.285.– WOS CC ; ESCI. In: European journal of contemporary education [textový dokument (print)] [elektronický dokument] .– Washington (USA) : Cherkas Global University Press.– ISSN 2304-9650.– ISSN (online) 2305-6746.– Roč. 14, č. 3 (2025), s. 285-292 [tlačená forma] [online]
3	P1 ID: 1436456 Matematika [textový dokument (print)] [pracovný zošit] : zošit 3A : závislosti, vzťahy a práca súdajmi / Žilková, Katarína [Autor, 33.334%] ; Marcinek, Tibor [Autor, 33.333%] ; Totkovičová, Martina [Autor, 33.333%].– 1. vyd.– Bratislava (Slovensko) : ABCedu, 2025.– 65 s. [tlačená forma].– ISBN 978-80-99973-64-1

4	V2 ID: 1268745 Augmented Reality for exploring solids : a study on improving pre-service teachers /Koreňová, Lilla [Autor, 25%] ; Gunčaga, Ján [Autor, 25%] ; Žilková, Katarína [Autor, 25%] ; Totkovičová, Martina [Autor, 25%] ; European Conference on e-Learning 2024, 23 [24.10.2024-25.10.2024, Porto, Portugalsko].– DOI 10.34190/ecel.23.1.2892.– WOS CC ; CPCI-S ; CPCI-SSH ; SCO.In: Proceedings of the 23rd European Conference on e-Learning - ECEL 2024 [textový dokument (print)][elektronický dokument] / Moriera, Fernando [Zostavovateľ, editor].– [recenzované].– 1. vyd.– Reading (Veľká Británia) : Academic Conferences International Limited, 2024.– (Proceedings of the European Conference on e-Learning, ECEL , ISSN 2048-8637, ISSN 2048-8645, ISSN 2048-8653 ; Vol. 23, No. 1).–ISBN 978-1-917204-21-7.– ISBN (elektronické) 978-1-917204-22-4, s. 187-196 [tlačená forma] [online]
5	V1 ID: 1073815 Genderový aspekt matematickej úzkosti detí mladšieho školského veku [elektronický dokument] [editovaná kniha] / Osadán, Róbert [Autor, 20%] ; Žilková, Katarína [Autor, 20%] ; Hamranová, Anežka [Autor, 20%] ; Kondeková, Alexandra [Autor, 20%] ; Žilková, Viktória [Autor, 20%] ; Marcinek, Tibor [Recenzent] ; Poliaková, Eva [Recenzent].– 1. vyd.– Bratislava (Slovensko) : Univerzita Komenského v Bratislave, 2022. – 119 s. [online].– ISBN (elektronické) 978-80-223-5538-4

VI.4 - The most significant citations corresponding to the research/artistic/other outputs

1	ID: 75052 Young children's concepts of geometric shapes [textový dokument (print)] [monografia (do 2021)] / Žilková, Katarína [Autor, 65%] ; Partová, Edita [Autor, 10%] ; Kopáčová, Janka [Autor, 10%] ; Tkačik, Štefan [Autor, 5%] ; Mokriš, Marek [Autor, 5%] ; Budínová, Irena [Autor, 3%] ; Gunčaga, Ján [Autor, 2%] ; Marcinek, Tibor [Recenzent] ; Molnár, Josef [Recenzent]. – 1. vyd. – Harlow (Veľká Británia) : Pearson, 2018. – 242 s. [tlačená forma]. – ISBN 978-1-78726-989-7. – WOS CC ; BKCI-S ; BKCI-SSH Ohlasy (11):
	(SCOPUS :2-s2.0-85082381296) 438325: Students' concepts of the trapezoid at the end of lower secondary level education / 2019 01 Halas, Zdeněk [Autor] ; Robová, Jarmila [Autor] ; Moravcová, Vlasta [Autor] ; Hromadová, Jana [Autor]. – DOI 10.1515/edu-2019-0013. – SCO. In: Open Education Studies [elektronický dokument] . – Varšava (Poľsko) : De Gruyter. – ISSN 2544-7831. – Roč. 1, č. 1 (2019), 184-197 [online]
	(Web of Science Core Collection :WOS:000816277400001; SCOPUS :2-s2.0-85132292678; Science Citation Index Expanded :WOS:000816277400001; Current Content Connect :CCC:000816277400001) 486935: Concept mapping in teaching mathematics in Slovakia : pedagogical experiment results / 2022 01 Záhorec, Ján [Autor, 35%] ; Hašková, Alena [Autor, 35%] ; Hrmo, Roman [Autor, 30%]. – [recenzované]. – DOI 10.3390/math10121965. – CCC ; WOS CC ; SCO ; SCIE. In: Mathematics [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2227-7390. – Roč. 10, č. 12 (2022), art. no. 1965, s. [1-28] [online]
	(Web of Science Core Collection :WOS:001025477200011; Emerging Sources Citation Index :WOS:001025477200011; European Reference Index for the Humanities and Social Sciences :1160215402) 1064339: Quality of textbooks from the knowledge management perspective = Calidad de los libros desde la perspectiva de la gestión del conocimiento / Hvorecký, Jozef [Autor, 50%] ; Koreňová, Lilla [Autor, 50%]. – [recenzované]. – DOI 10.17163/alt.v18n2.2023.10. – WOS CC ; ESCI. In: Alteridad [textový dokument (print)] [elektronický dokument] : revista de educación. – Quito (Ekvádor) : Salesian Polytechnic University. – ISSN 1390-325X. – ISSN (online) 1390-8642. – Roč. 18, č. 2 (2023), s. 273-284 [tlačená forma] [online]
	(SCOPUS :2-s2.0-85191962921) 1165242: Impediments to kindergarten children identifying geometric shapes / Vorkapić, Marija [Autor, 33.334%] ; Milinković, Jasmina [Autor, 33.333%] ; Milošević, Mila [Autor, 33.333%]. – DOI 10.18690/rei.2503. – SCO. In: Revija za elementarno izobraževanje [textový dokument (print)] [elektronický dokument] . – Maribor (Slovinsko) : Univerza v Mariboru. – ISSN 1855-4431. – ISSN (online) 2350-4803. – Roč. 17, č. 1 (2024), s. 105-122 [tlačená forma] [online]
	(SCOPUS :2-s2.0-85107472121; Web of Science Core Collection :WOS:000659384300001) 424567: Understanding of Geometrical Concepts in Elementary School Using the Example of Quadrangle, Rectangle and Square / Bruns, Julia [Autor, 33.333%] ; Unterhauser, Elisabeth [Autor, 33.334%] ; Gasteiger, Hedwig [Autor, 33.333%]. – DOI 10.1007/s13138-021-00185-4. – WOS CC ; SCO. In: Journal für Mathematik - Didaktik [textový dokument (print)] [elektronický dokument] . – Berlín (Nemecko) : Springer Nature. – ISSN 0173-5322. – ISSN (online) 1869-2699. – Roč. 42, č. 2 (2021), 581-623 [tlačená forma] [online]

ID: 122197 | **Visualisation as a method for the development of the term rectangle for pupils in**

primary school / Gunčaga, Ján [Autor, 50%] ; Žilková, Katarína [Autor, 50%]. – DOI

10.13187/ejced.2019.1.52. – WOS CC ; SCO ; ESCI.

In: *European journal of contemporary education* [textový dokument (print)] [elektronický dokument] . –

Bratislava (Slovensko) : Academic Publishing House Researcher. – ISSN 2304-9650. – ISSN (online) 2305-

6746. – Roč. 8, č. 1 (2019), s. 52-68 [tlačená forma] [online]

Ohlasy (16):

2022 01	(Web of Science Core Collection :WOS:000816277400001; SCOPUS :2-s2.0-85132292678; Science Citation Index Expanded :WOS:000816277400001; Current Content Connect :CCC:000816277400001) 486935: Concept mapping in teaching mathematics in Slovakia : pedagogical experiment results / Záhorec, Ján [Autor, 35%] ; Hašková, Alena [Autor, 35%] ; Hrmo, Roman [Autor, 30%]. – [recenzované]. – DOI 10.3390/math10121965. – CCC ; WOS CC ; SCO ; SCIE.	In: <i>Mathematics</i> [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2227-7390. – Roč. 10, č. 12 (2022), art. no. 1965, s. [1-28] [online]
2022 01	(Current Content Connect :CCC:000755342000001; SCOPUS :2-s2.0-85123591367; Web of Science Core Collection :WOS:000755342000001) 461986: Synthesis of modeling, visualization, and programming in GeoGebra as an effective approach for teaching and learning STEM topics / Ziatdinov, Rushan [Autor, 50%] ; Valles, James R. [Autor, 50%]. – DOI 10.3390/math10030398. – WOS CC ; CCC ; SCO.	In: <i>Mathematics</i> [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2227-7390. – Roč. 10, č. 3 (2022), art. no. 398, s. [1-16] [online]
2023 01	(SCOPUS :2-s2.0-85188446210) 1238155: A survey with future primary school teachers on using geogebra for 2d and 3d shapes / Bonanzinga, Vittoria [Autor, 100%] ; International Conference on e-Learning and Digital Learning 2023, 17 [15.07.2023-17.07.2023, Porto, Portugalsko]. – SCO.	In: <i>Proceedings of the international conferences e-Learning and Digital Learning 2023 and Sustainability, Technology and Education 2023</i> [textový dokument (print)] : part of the Multi Conference on Computer Science and Information Systems 2023 / Nunes, Miguel Baptista [Zostavovateľ, editor] ; Isaias, Pedro [Zostavovateľ, editor] ; Issa, Tomayess [Zostavovateľ, editor] ; Issa, Theodora [Zostavovateľ, editor]. – [recenzované]. – 1. vyd. – [s.l.] (Portugalsko) : IADIS Press, 2023. – ISBN 978-989-8704-51-1, s. 3-10 [tlačená forma]
2024 01	(SCOPUS :2-s2.0-85203481234) 1204240: Manipulatives to multimedia : leveraging digital visual tools for primary mathematics education / Johnny, Jacinta (Autor) (100%). – DOI 10.4018/979-8-3693-6397-3.ch013. – SCO.	In: <i>Power of Persuasive Educational Technologies in Enhancing Learning</i> / Sanmugam, Mageswaran [Zostavovateľ, editor] ; Lim, Darren [Zostavovateľ, editor] ; Barkhaya, Nurul [Zostavovateľ, editor] ; Yahaya, Wan [Zostavovateľ, editor] ; Khlaif, Zuhei [Zostavovateľ, editor]. – 1. vyd. – Harrisburg (USA) : IGI Global, 2024. – ISBN 9798369363973. – ISBN (elektronické) 9798369363997, s. 280-292
2024 01	(Current Content Connect :CCC:001143137200009; SCOPUS :2-s2.0-85160263028; Web of Science Core Collection :WOS:000994100700001) 1159641: Characterizing external visualization in mathematics education research : a scoping review / Schoenherr, Johanna [Autor, 50%] ; Schukajlow, Stanislaw [Autor, 50%]. – DOI 10.1007/s11858-023-01494-3. – WOS CC ; CCC ; SCO.	In: <i>ZDM</i> [textový dokument (print)] [elektronický dokument] : the international journal on mathematics education. – Heidelberg (Nemecko) : Springer Nature. – ISSN 1863-9690. – ISSN (online) 1863-9704. – Roč. 56, č. 1 (2024), s. 73-85 [tlačená forma] [online]

D: 104031 | **Understanding of selected geometric concepts by pupils of pre-primary and primary level education** / Gunčaga, Ján [Autor, 35%] ; Tkačik, Štefan [Autor, 30%] ; Žilková, Katarína [Autor, 35%]. – DOI 10.13187/ejced.2017.3.497. – SCO ; WOS CC ; ESCI.

In: *European journal of contemporary education* [textový dokument (print)] [elektronický dokument] . – Bratislava (Slovensko) : Academic Publishing House Researcher. – ISSN 2304-9650. – ISSN (online) 2305-6746. – Roč. 6, č. 3 (2017), s. 497-515 [tlačaná forma] [online]

Ohlasy (14):

2023 01	(Current Content Connect :CCC:000975745400001; SCOPUS :2-s2.0-85153765674; Web of Science Core Collection :WOS:000975745400001) 1066245: On the origin, characteristics, and usefulness of instrumental and relational understanding / Herheim, Rune [Autor]. – [recenzované]. – DOI 10.1007/s10649-023-10225-0. – WOS CC ; CCC ; SCO.	In: <i>Educational Studies in Mathematics</i> [textový dokument (print)] [elektronický dokument] . – Amsterdam (Holandsko) : Springer Nature. – ISSN 0013-1954. – ISSN (online) 1573-0816. – Roč. 113, č. 3 (2023), s. 389-404 [tlačaná forma] [online]
2024 01	(SCOPUS :2-s2.0-85212622017) 1360707: Inclusive education : an integrated STEAM teaching proposal for primary school students focused on learning plane figures / Badás, Alicia Moreno [Autor, 50%] ; García Terceño, Eva M. [Autor, 50%]. – [recenzované]. – DOI 10.24844/EM3603.10. – SCO.	In: <i>Educación Matemática</i> [textový dokument (print)] [elektronický dokument] . – Mexico : Mexican Society for Research and Dissemination of Mathematics Education, Guadalajara (Mexico) : Universidad de Guadalajara. – ISSN 0187-8298. – ISSN (online) 2448-8089. – Roč. 36, č. 3 (2024), s. 274-299 [tlačaná forma] [online]
2024 01	(SCOPUS :2-s2.0-85129144015; Web of Science Core Collection :WOS:000777153100001) 1181484: Comparing the concept images and hierarchical classification skills of students at different educational levels regarding parallelograms: a cross-sectional study / Birgin, Osman [Autor, 50%] ; Ozkan, Kemal [Autor, 50%]. – DOI 10.1080/0020739X.2022.2052196. – WOS CC ; SCO.	In: <i>International Journal of Mathematical Education in Science and Technology</i> [textový dokument (print)] [elektronický dokument] . – Abingdon (Veľká Británia) : Taylor & Francis Group. – ISSN 0020-739X. – ISSN (online) 1464-5211. – Roč. 55, č. 4 (2024), s. 850-882 [tlačaná forma] [online]
2025 02	(European Reference Index for the Humanities and Social Sciences :504139) 1366352: Children's misconceptions : opinions and practices of preschool teachers / Gülmez, Rabia Nimet [Autor, 50%] ; Yıldız, Ensar [Autor, 50%].	In: <i>Van Yüzüncü Yıl University Journal of Education</i> [elektronický dokument] . – Van (Turecko) : Van Yüzüncü Yıl Üniversitesi. – ISSN (online) 1305-2020. – Roč. 22, č. 1 (2025), s. 214-238 [online]
2025 02	1360720: Geogebra i početna nastava geometrije [elektronický dokument] [monografia] / Milikić, Milan P. [Autor, 100%] ; Vulović, Nenad R. [Recenzent] ; Popović, Branislav [Recenzent] ; Milenković, Aleksandar [Recenzent]. – 1. vyd. – Jagodina (Srbsko) : Univerziteta u Kragujevcu, 2025. – 191 s. [CD-ROM]. – ISBN 978-86-7604-244-9	

ID: 659835 | **(Mis)conceptions about geometric shapes in pre-service primary teachers/** Žilková, Katarína [Autor, 40%] ; Gunčaga, Ján [Autor, 30%] ; Kopáčová, Janka [Autor, 30%].

In: *Acta Didactica Napocensia* [elektronický dokument] . – Cluj (Rumunsko) : Universitatea Babes-Bolyai. – ISSN (online) 2065-1430. – Roč. 8, č. 1 (2015), s. 27-35 [online]

Ohlasy (10):

2016 01	(SCOPUS :2-s2.0-85008146384) 1117117: Approximation of statistical implicative analysis to learning analytics : a systematic review / Pazmiño-Maji, Rubén A. [Autor, 33.334%] ; García Peñalvo, Francisco J. [Autor, 33.333%] ; Conde-González, Miguel, A. [Autor, 33.333%] ; TEEM'16, 4 [02.11.2016-04.11.2016, Salamanca, Španielsko]. – DOI 10.1145/3012430.3012540. – SCO.	In: <i>TEEM' 16</i> [elektronický dokument] : Fourth International Conference on Technological Ecosystems for Enhancing Multiculturality / García-Penalvo, Francisco J. [Zostavovateľ, editor]. – [recenzované]. – 1. vyd. – New York (USA) : Association for Computing Machinery, 2016. – ISBN 978-1-4503-4747-1, s. 355-362 [online]
2018 01	(Web of Science Core Collection :WOS:000452506200144) 1118024: Primary school teachers' capability in developing learning media based on tangram interactive game / Trimurtini, Trimurtini [Autor] ; Sari, Elok Fariha [Autor] ; Ahmadi, Farid [Autor] ; International conference on community development, 5 [19.07.2018-20.07.2018, Quezon City, Filipíny]. – [recenzované]. – WOS CC.	In: <i>Proceedings of the 5th International Conference on Community Development</i> [textový dokument (print)] : (AMCA 2018) / Strielkowski, Wadim [Zostavovateľ, editor]. – 1. vyd. – Paríž (Francúzsko) : Springer Nature. Atlantis Press, 2018. – (Advances in Social Science, Education and Humanities Research, ISSN 2352-5398, ISSN 2731-8060 ; 231), s. 519-521 [tlačená forma]
2019 01	(SCOPUS :2-s2.0-85065314781) 1219882: Misconceptions of seventh grade students in solving geometry problem type national examinations / Angraini, Padhila (Autor) (50%) ; Prahmana, Rully Charitas Indra (Autor) (50%) ; Seminar Nasional Pendidikan Matematika Universitas Ahmad Dahlan, 6 [03.11.2018, Yogyakarta, Indonézia]. – DOI 10.1088/1742-6596/1188/1/012101. – SCO.	In: <i>6th Seminar Nasional Pendidikan Matematika Universitas Ahmad Dahlan</i> [textový dokument (print)] [elektronický dokument] : (SENDIKMAD 2018) / Prasetyo, Puguh Wahyu [Zostavovateľ, editor]. – [recenzované]. – 1. vyd. – Bristol (Veľká Británia) : Institute of Physics. IOP Publishing, 2019. – (Journal of Physics : Conference Series, ISSN 1742-6588, ISSN 1742-6596 ; 1188). – ISBN 9781510886407, s. [1-8] [tlačená forma] [online]
2020 01	(SCOPUS :2-s2.0-85083426131) 1219752: Analysis of primary school teachers' knowledge of geometry / Kurt-Birel, Gamze [Autor, 33.334%] ; Deniz, Sule [Autor, 33.333%] ; Önel, Fatih [Autor, 33.333%]. – DOI 10.26822/iejee.2020459459. – SCO.	In: <i>International Electronic Journal of Elementary Education</i> [elektronický dokument] . – Kütahya (Turecko) : Kura Publishing House. – ISSN (online) 1307-9298. – Roč. 12, č. 4 (2020), s. 303-309 [online]
2021 01	(Current Content Connect :CCC:000734356600001; Web of Science Core Collection :WOS:000734356600001; SCOPUS :2-s2.0-85120035259) 436075: Geometric thinking of future teachers for primary education - An exploratory study in Slovakia / Pavlovičová, Gabriela [Autor, 50%] ; Bočková, Veronika [Autor, 50%]. – DOI 10.3390/math9232992. – SCO ; CCC ; WOS CC.	In: <i>Mathematics</i> [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2227-7390. – Roč. 9, č. 23 (2021), s. 1-13 [online]

ID: 659838 | **Misconceptions in pre-service primary education teachers about quadrilaterals** / Žilková, Katarína [Autor, 100%]. – [recenzované].

In: *Journal of education, psychology and social sciences* [elektronický dokument] . – Žilina (Slovensko) : Thomson. – ISSN (online) 1339-1488. – Roč. 3, č. 1 (2015), s. 30-37 [online]

Ohlasy (14):

2016 01	(SCOPUS :2-s2.0-85008146384) 1117117: Approximation of statistical implicative analysis to learning analytics : a systematic review / Pazmiño-Maji, Rubén A. [Autor, 33.334%] ; García Peñalvo, Francisco J. [Autor, 33.333%] ; Conde-González, Miguel, A. [Autor, 33.333%] ; TEEM'16, 4 [02.11.2016-04.11.2016, Salamanca, Španielsko]. – DOI 10.1145/3012430.3012540. – SCO.	In: <i>TEEM' 16</i> [elektronický dokument] : Fourth International Conference on Technological Ecosystems for Enhancing Multiculturality / García-Penalvo, Francisco J. [Zostavovateľ, editor]. – [recenzované]. – 1. vyd. – New York (USA) : Association for Computing Machinery, 2016. – ISBN 978-1-4503-4747-1, s. 355-362 [online]
2019 01	(SCOPUS :2-s2.0-85079267471) 1117485: İlköğretim matematik öğretmen adaylarının dörtgenler ve geometrik cisimleri hiyerarsik sınıflandırma düzeylerinin incelenmesi / Zeybek, Zulfiye [Autor, 100%]. – DOI 10.16949/turkbilmat.491564. – SCO.	In: <i>Turkish journal of computer and mathematics education</i> [elektronický dokument] . – Trabzon (Turecko) : Karadeniz Teknik Üniversitesi, Sogutlu (Turecko) : Turkbilmat Egitim Hizmetleri. – ISSN (online) 1309-4653. – Roč. 10, č. 3 (2019), s. 680-710 [online]
2023 01	(Web of Science Core Collection :WOS:001073081800001; Emerging Sources Citation Index :001073081800001; SCOPUS :2-s2.0-85172133070) 1117015: Using the van Hiele theory to explain pre-service teachers' understanding of similarity in Euclidean geometry / Mbatha, Mduduzi [Autor, 50%] ; Bansilal, Sarah [Autor, 50%]. – DOI 10.3390/educsci13090861. – SCO ; WOS CC ; ESCI.	In: <i>Education sciences</i> [elektronický dokument] . – Bazilej (Švajčiarsko) : Multidisciplinary Digital Publishing Institute. – ISSN (online) 2227-7102. – Roč. 13, č. 9 (2023), art. no. 861, s. [1-17] [online]
2025 02	1437040: Upaya Pemberdayaan Perawat Dalam Mengurangi Kecemasan Pasien Melalui Pelayanan Keperawatan Berbasis PCC (Patient Centered Care) / Murharyati, Atiek [Autor, 25%] ; Safitri, Wahyuningsih [Autor, 25%] ; Setiyawan, Setiyawan [Autor, 25%] ; Sulisetyawati, S. Dwi [Autor, 25%]. – [recenzované].	In: <i>Pena Abdimas</i> [elektronický dokument] : Jurnal Pengabdian Masyarakat. – Pekalongan (Indonézia) : Universitas Pekalongan. – ISSN (online) 2722-2527. – Roč. 6, č. 2 (2025), s. 113-118 [online]
2025 02	1453331: Simulasi rantai pasok untuk peningkatan literasi kedaulatan pangan berbasis komunitas / Probokusumo, Probokusumo [Autor, 16.67%] ; Rokhmah, Alfiya [Autor, 16.666%] ; Kariyadi, Kariyadi [Autor, 16.666%] ; Mulyani, Ririn [Autor, 16.666%] ; Anzari, Fajar [Autor, 16.666%] ; Saepullah, Asep [Autor, 16.666%]. – [recenzované].	In: <i>Jurnal Inovasi Hasil Pengabdian</i> [elektronický dokument] . – Kendal (Indonézia) : Universitas Selamat Sri. – ISSN (online) 3026-1791. – Roč. 3, č. 2 (2025), s. 61-66 [online]

VI.5 - Participation in conducting (leading) the most important research projects or art projects over the last six years

1	KEGA 077UK-4/2025: Edu-STEAM Laboratory in Primary Education Teacher Training.Period: 2025 – 2027. Faculty of Education, Comenius University in Bratislava, Principal Investigator
2	VEGA 1/0592/20 Názov/Name: Genderový aspekt matematickej úzkosti detí mladšieho školského veku/Gender aspect of mathematical anxiety in young school children. Obdobie/Duration 2020 - 2022. Zástupca hlavného riešiteľa/Deputy Principal Investigator.
3	KEGA 004TTU-4/2021 Názov/Name: Vyučovanie matematiky a informatiky pomocou elektronických interaktívnych komponentov/Teaching mathematics and computer science using electronic interactive components. Obdobie/Duration 2021 - 2023. Hlavný riešiteľ za spolupracujúce pracovisko v BA/Principal investigator for the project partner in Bratislava.
4	APVV – 15-0378 Názov/Name: Optimalizácia výučbových materiálov z matematiky na základe analýzy súčasných potrieb a schopností žiakov mladšieho školského veku/Optimization of teaching materials in mathematics based on the analysis of current needs and abilities of young school pupils. Obdobie/Duration: 2016 – 2020. PdF UK v Bratislave/Comenius University in Bratislava, Faculty of Education, spoluriešiteľ/co-investigator
5	ESF Operational Programme Human Resources Title: Innovation and Quality Improvement in the Acquisition of Practical Skills for Pre-primary and Primary Education Students with an Emphasis on Children's Adaptation Process (ADAPTAPRAX) Period: 1 October 2020 – 31 March 2023. Principal Investigator
6	KEGA 026UK-4/2022 Title: The Conception of Constructionism and Augmented Reality in STEM Education (CEPENSAR) Faculty of Education, Comenius University in Bratislava, Co-Investigator

VII. - Overview of organizational experience related to higher education and research/artistic/other activities

VII.a - Activity, position	VII.b - Name of the institution, board	VII.c - Duration
Member of the Scientific Board	Palacký University in Olomouc, Czech Republic	2021 - until now
Member and Head of the Scientific Board of the Faculty of Education, Comenius University in Bratislava	Comenius University, Faculty of Education	2020 - member, 2023 Head - until now
Member of the branch council for the field of Education	Faculty of Education, Palacký University in Olomouc, Czech Republic	2014 - until now
Member of the editorial board of the journal Math Teacher	Union of Czech Mathematicians and Physicists	2017 - until now
Member of the committee JSMF	Union of Slovak Mathematicians and Physicists	2011 - 2022
Member of the committee SMS	Slovak Mathematical Society	2013 - 2020, member of SMS - until now
Member of the Scientific Board of the Faculty of Education	J. Selye University in Komárno	since 2024

VIII. - Overview of international mobilities and visits oriented on education and research/artistic/other activities in the given field of study

VIII.a - Name of the institution	VIII.b - Address of the institution	VIII.c - Duration (indicate the duration of stay)	VIII.d - Mobility scheme, employment contract, other (describe)
Wydział Pedagogiczny, Instytut Pedagogiki Przedszkolnej i Szkolnej, Krakow, Poland		2016 /(short, week)	Erazmus
Pedagogická fakulta Karlovej Univerzity, Praha/Charles University in Prague Czech Republic		2012, 2019 /(short, week)	Erazmus
Masarykova univerzita Brno, Czech Republic		2011, 2021, 2023 /(short, week)	Erazmus
Univerzita Palackého, Olomouc, Czech Republic		2013 /(short, week)	Erazmus

IX. - Other relevant facts

IX.a - If relevant, other activities related to higher education or research/artistic/other activities are mentioned

- author of the curriculum reform for elementary schools - the educational field of mathematics and informatics - the mathematics part
- since May 2021 - member of commission no. 2 for new technologies, methods and forms in education of the Cultural and Educational Grant Agency of the Ministry of Education, Science, Research and Sports of the Slovak Republic
- from 2018 co-guarantor of the habilitation and inauguration procedure in the study program union didactics (PdF UK in Bratislava)
- from 2021 - 2026 member of the central commission for pre-primary and basic education for the educational area of Mathematics and work with information - Mathematics
- Member of the Steering Committee of the International Competition of University Students in Scientific Professional Activities in Mathematics Didactics, Prague
- member of commissions for the defense of dissertations from the fields of Preschool and Elementary Pedagogy, Theory of Teaching Mathematics (PdF UK in Bratislava, FMFI UK in Bratislava, PdF PU in Prešov, PdF UP in Olomouc)
- since 2015 - Chairman of the attestation commission for the first and second attestation in the category of teacher, in the subcategory teacher for lower secondary education, lower secondary vocational education, secondary vocational education, complete secondary general education, complete secondary vocational education and teacher for higher vocational education in subjects Mathematics and Informatics, Trnava University in Trnava
- since 2015 - member of the All-Central Central Subject Commission for Mathematics for SPU in Bratislava (http://www.statpedu.sk/images/sk/o-organizacii/organizacia-spu/poradne-organy/ustredne-predmetove-komisie/pk_mat.pdf)
- 2015 - 2017 member of the editorial board of the journal *Studia Scientifica Facultatis Paedagogicae*, PF KU in Ružomberok
- 2014 - 2015 Member of the main evaluation group of the PRINED project (Inclusive Education Project), operational program Education
- Assignor, test reviewer and assignment T5 testing - for the National Institute of Certified Educational Measurements (NUCEM)

Date of last update

26.10.2025