

CURRICULUM VITAE

**Assoc. Prof. PaedDr. Ing. Lucia Krištofiaková, PhD., ING-PAED
IGIP**

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DoB: 16/03/1982

EDUCATION

2022	DTI University, Slovakia – PaedDr. Major: Doctor of Education
2020	DTI University, Slovakia – Mgr. / Master Major: Teacher Training and Education Science
2020	DTI University, Slovakia – Docent / Associate Professor Major: Teacher Training and Education Science
2005 – 2008	Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Slovakia – PhD. Major: Vocational Didactics PhD. thesis: Improving the quality of the teaching process in the subject Economy through the implementation of TQM
2003 – 2005	Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Slovakia – Ing. Major: Industrial Engineering and Management
2003 – 2005	Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Slovakia, Department of Engineering Pedagogy and Psychology Major: Complementary Teacher Training
2000 – 2003	Slovak University of Technology in Bratislava, Faculty of Materials Science and Technology in Trnava, Slovakia – Bc. Major: Industrial Engineering and Management

ACADEMIC EMPLOYMENT

- 2013 – present **University teacher / Vice Head of the Department of didactics,**
DTI University, Ul. Sládkovičova 533/20, 018 41 Dubnica nad
Váhom, Slovakia
Teaching, research activities
- 2008 – 2013 **Research worker with university education,**
Slovak University of Technology in Bratislava, Faculty of Materials
Science and Technology in Trnava, Paulínska 16, 917 24, Trnava,
Slovakia
Creative tasks-solving in the science and technology development,
teaching

PROFESSIONAL EMPLOYMENT

- 06/2005 – 09/2005 **Officer,** Tatra banka a. s., Hodžovo námestie 3, 811 06 Bratislava,
Slovakia

OTHER EDUCATION

- 2010 IGIP/ International Society for Engineering Education, Klagenfurt,
Austria – ING-PAED IGIP
Major: European Engineering Educator, International Teacher's
Certificate
- 2014 QSCert, s. r. o., E. P. Voljanského 1, 960 01 Zvolen, Slovakia –
Certificate
Major: Internal quality auditor + registry management
- 2016 QSCert, s. r. o., E. P. Voljanského 1, 960 01 Zvolen, Slovakia –
Certificate
Major: The new ISO 9001:2015 standard and differences from the
ISO 9001:2008 standard
- 2019 Accreditation Centre ZSVTS, Kocel'ova 15, 815 94 Bratislava,
Slovakia – Certificate
Major: EUR-ACE® Auditor

SOFTWARE

- expert **Microsoft Office**
expert **LMS**

RESEARCH PROJECTS

2022 – present	KEGA 002VŠDTI-4/2022 Creation of an interactive support tool for beginning teachers of upper secondary education in Slovakia project team leader
11/2018 – 11/2022	ENTER – EngineeriNg educaTors pEdagogical tRaining (Project Number 598506-EPP-1-2018-1-PT-EPPKA2-CBHE-JP) project team member
2020 – 2022	KEGA 014UKF-4/2020 Innovative learning e-modules for safety in dual education project team member
2008 – 2010	KEGA 3/6026/08 Innovation of the study program Teaching technical professional subjects at MTF STU project team leader
2011 – 2013	KEGA 026STU-4/2011 Model for evaluating the quality of vocational education and training at secondary vocational schools in the Slovak Republic project team member
2008 – 2010	KEGA 3/6216/08 Introduction of the subject "Leading to entrepreneurship" into the study program Teaching technical professional subjects II. degree at MTF STU in Trnava project team member
2010 – 2011	KEGA 031-035STU-4/2010 Models of project teaching at secondary school project team member
2018 – 2019	KEGA 004DTI-4/2018 Model that will support the development of emotional intelligence of pupils at secondary vocational schools project team leader
2017 – 2019	KEGA 016UCM-4/2017 Implementation of the project for improving the quality of graduates into practice at secondary technical and vocational schools project team member

2016 – 2017	KEGA 006DTI-4/2016 Model of assessment and quality improvement of the educational process at secondary vocational schools project team member
2015 – 2016	KEGA 010UCM-4/2015 Model for improving the quality of graduates and job applicants in European labour market project team member
2005 – 2007	VEGA 1/2533/05 Key competences of students of technical fields of study in the national and European context project team member
2005 – 2007	VEGA 1/2531/05 Dominant determinants of engineering pedagogy and its role after the Slovak Republic joined the EU project team member
10/2006 – 12/2010	APVV LPP-0202-06 Science closer to students project team member
05/2010 – 04/2013	ITMS 26110230023 Development of pedagogical skills of MTF STU doctoral students project team member
11/2013 – 08/2015	ITMS 26110230091 Manager of services in the automotive industry project team member

PUBLICATIONS

Scientific Research Outputs (2024 – 2025)

Scientific Outputs as Parts of Edited Books or Conference Proceedings

Szököl, I., Hrmo, R., Kučerka, D., & Krištofiaková, L. (2025). *The Use of Material Teaching Aids in Education.* In: *Futureproofing Engineering Education for Global Responsibility: Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL2024).* Cham: Springer Nature, pp. 397-408,. Indexed in **WoS CC** and **Scopus**.

Valentová, M., Brečka, P., Hašková, A., & Krištofiaková, L. (2025). *Teacher competencies in integrated preschool education.* In: *Futureproofing Engineering Education for Global Responsibility: Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL2024).* Cham: Springer Nature, pp. 420-428,. Indexed in **WoS CC** and **Scopus**.

Bajúzová, M., Krištofiaková, L., & Paška, P. (2024). *Artificial Intelligence, a Challenge for Modern Education*. In: *Schola nova, quo vadis? 2024: Collection of peer-reviewed papers from the 9th International Scientific Conference*. Prague: Extrasystem Praha, pp. 15-20,.

Szőköl, I., Kučerka, D., & Krištofiaková, L. (2024). *Material Didactic Resources in Education*. In: *Towards a hybrid, flexible and socially engaged higher education (2): Proceedings of the 26th International conference on Interactive Collaborative Learning*. Cham: Springer Nature, pp. 467-478, Indexed in **WoS CC** and **Scopus**.

Peer-Reviewed Journal Articles

Bugárová, A., Krištofiaková, L., & Kovačócy, P. (2025). *The relationship between M-learning and Self-regulated-learning in the context of vocational education*. In: *R&E-Source: Research and Education*. Baden: Pädagogische Hochschule Niederösterreich. Vol. 12, no. 1, pp. 47-56,.

Tokoš, P., Hul'ová, Z., Hrmo, R., & Krištofiaková, L. (2025). *Implementation of Project-Based Learning in the Professional Subject of Scripting*. In: *International Journal of Information and Education Technology*. Singapore: IACSIT Press. Vol. 15, no. 11, pp. 2518-2527, Indexed in **Scopus**.

Hrmo, R., Szőköl, I., & Krištofiaková, L. (2024). *Opportunities for Improving the Quality of Education and Pedagogical Teacher Training, within an International Context*. In: *Acta Polytechnica Hungarica*. Budapest: Óbuda University. Vol. 21, no. 3, pp. 109-124, Indexed in **WoS CC** and **Scopus**.

Hul'ová, Z., Tokoš, P., Bolčová, E., Hrmo, R., & Krištofiaková, L. (2024). *Creating a Battery of Subtests to Measure Students' Skills in Technical Education*. In: *TEM Journal*. Novi Pazar: Association for Information Communication Technology Education and Science. Vol. 13, no. 4, pp. 3405-3412, Indexed in **WoS CC** and **Scopus**.

Statistical Summary of Indexed Records (2024 – 2025)

Total number of records in Web of Science (WoS CC): 5

Total number of records in Scopus (SCO): 6

Selection of publications

MONOGRAPHS AND TEXTBOOKS

KRIŠTOFIAKOVÁ, L., KUČERKA, D., HRMO, R. 2018. *Zlepšovanie kvality vyučovacieho procesu v predmete Ekonomika prostredníctvom TQM (Improving the quality of the teaching process in the subject Economics through TQM)*. České Budějovice: Vysoká škola technická a ekonomická v Českých Budějovicích, 2018. 275 p. ISBN 978-80-7468-132-5.

GABRHELOVÁ, G., KRIŠTOFIAKOVÁ, L. 2017. *Schlüsselkompetenzen der Schüler und Emotionale Intelligenz im didaktischen Kontext*. Karlsruhe : Ste-Con, 2017. 153 p. ISBN 978-3-945862-19-3.

TUREKOVÁ, I., MARKOVÁ, I., KRIŠTOFIAKOVÁ, L. 2020. *Safety culture in the school environment I*. Nitra : Pedagogická fakulta UKF v Nitre, 2020. 162 p. ISBN 978-80-558-1563-3.

KRPÁLKOVÁ KRELOVÁ, K., KRIŠTOFIAKOVÁ, L. 2020. *Vybrané kapitoly z didaktiky odborných predmetov (Selected chapters from the didactics of professional subjects)*. Dubnica nad Váhom : Vysoká škola DTI v Dubnici nad Váhom, 2020. 130 p. ISBN 978-80-8222-001-1.

KRIŠTOFIAKOVÁ, L. 2020. *Manažment škôl (Management of schools)*. Dubnica nad Váhom : Vysoká škola DTI v Dubnici nad Váhom, 2020. 67 p. ISBN 978-80-8222-004-2.

PEER-REVIEWED JOURNAL ARTICLES

KRIŠTOFIAKOVÁ, L., HRMO, R. 2019. Emotional Intelligence as a Factor Affecting the Application of Secondary Vocational School Graduates in Practice. In: *R&E-Source*. Baden: Pädagogische Hochschule NÖ, 2019, no. 17, pp. 185-189 [online]. ISSN (online) 2313-1640. <https://journal.ph-noe.ac.at/index.php/resource/article/view/756/768>.

BILČÍK, A., HRMO, R., KRIŠTOFIAKOVÁ, L. 2018. A successful teacher has satisfied pupils. In: *R&E-Source*. Baden: Pädagogische Hochschule NÖ, 2018, no. 13, pp. 21-25 [online]. ISSN (online) 2313-1640. <http://journal.ph-noe.ac.at>.

HRMO, R., KRIŠTOFIAKOVÁ, L., BILČÍK, A. 2017. Quality Assurance in the School Environment In: *R&E SOURCE*. 2017. ISBN 2313-1640. Special Issue #12 (2017) pp. 58-64.

HRMO, R., KRIŠTOFIAKOVÁ, L. 2015. Engineering Pedagogy and its role in quality assurance in higher education. In: *New Approaches to Engineering Pedagogy*, Pädagogische Hochschule Niederösterreich. ISSN 2313-1640. Special Issue #4 (2015) pp. 97-101.

HRMO, R., MIŠTINA, J., KRIŠTOFIAKOVÁ, L. 2016. Improving the Quality of Technical and Vocational Education in Slovakia for European Labour Market Needs. Available on: <http://onlinejournals.org/index.php/i-jep/article/view/5369>. In : *International Journal of Engineering Pedagogy (iJEP)*. ISSN 2192-4880. Vol. 6, no. 2 (2016), pp. 14-22 [online]. Web of Science.

HRMO, R., KRIŠTOFIAKOVÁ, L., MIŠTINA J. 2020. Emotional Intelligence of Secondary Technical School Students and Its Impact on Their Employment in Professional Practice. DOI 10.1007/978-3-030-40271-6_81. In: *The Impact of the 4th Industrial Revolution on Engineering Education*. Auer, Michael [editor]; Hortsch, Hanno [editor]; Sethakul, Panarit [editor]. Vol. 2. Cham (Switzerland) : Springer Verlag, 2020. (Advances in Intelligent Systems and Computing, ISSN 2194-5357, ISSN 2194-5365 ; 1135). ISBN 978-3-030-40271-6. ISBN (online) 978-3-030-40270-9, pp. 824-834. SCOPUS.

KRIŠTOFIAKOVÁ, L. *Quality of the teaching process and emotional intelligence of secondary vocational school pupils* In: *Media4u Magazine*, 2020, Vol. 17, no. 2, pp. 15-18. ISSN 1214-9187. Erih Plus.

CONFERENCE PROCEEDINGS

HRMO, R., KRIŠTOFIAKOVÁ, L., KOVALENKO, E., GABRHELOVÁ, G., ANDRES, P. *Schola 2019: "Engineering pedagogy unites" Book of abstracts 2018 - 2019*. Dubnica nad Váhom: Vysoká škola DTI, 2020. ISBN 978-80-89732-89-0.

BERKOVÁ, K., KRPÁLKOVÁ KRELOVÁ, K., KRPÁLEK, P., KRIŠTOFIAKOVÁ, L. *Schola nova, quo vadis? : sborník recenzovaných příspěvků 4. ročníku mezinárodní vědecké konference: reviewed papers of the 4th international scientific conference*. Praha: Extrasystem Praha, 2019. ISBN 978-80-87570-44-9. Available on: <http://www.extrasystem.com/9788087570449.pdf>.

HRMO, R., KRIŠTOFIAKOVÁ, L., KOVALENKO, E., GABRHELOVÁ, G., ANDRES, P. *Schola 2019: "Engineering pedagogy unites" Book of abstracts 2018 - 2019*. Dubnica nad Váhom: Vysoká škola DTI, 2020. ISBN 978-80-89732-89-0.

KRIŠTOFIAKOVÁ, L., HAMARNEH, I. *Cestovní ruch pro všechny: inkluze a lidský kapitál pro rozvoj regionů (Tourism for all: inclusion and human capital for regional development)*. Praha: Vysoká škola obchodní v Praze, o.p.s., 2020. ISBN 978-80-7615-067-6.

