

# Curriculum vitae

## Identification of the person

- Pavel Pecina, born on 27 October 1977 in Nové Město na Moravě

## Workplace

- Department of Physics, Chemistry and Vocational Education, Masaryk university, Faculty of Education, Poříčí 7, Brno

## Functions in the workplace

- Assistant Professor

## Education and academic qualifications

- 2022: associate professor in the field of "Field didactics"
- 2005: Ph.D. in the field of pedagogy, MU Faculty of Education
- 2000: Mgr. general education subjects, Masaryk university, Faculty of Education , field of physics-technical education

## Job overview

- 2005-present: Assistant Professor at the Department of Physics, Chemistry and Vocational Education (formerly the Department of Didactic Technologies), Faculty of Education, MU
- 2002-2005: Internal PhD student. Masaryk University, Faculty of Education
- 2003-2006: I. German regional high school, teacher
- 2001-2003: Primary school Vejrostova 1, Brno, teacher

## Educational activity

- Specifics of teaching at secondary vocational schools.
- Didactics of professional subjects.
- Didactics of practical teaching.
- School educational programs.
- Integrated science foundation I.

## Scientific research activity

In the field of scientific research, focused on the issue of activating teaching methods in vocational education, the issue of student independence and creativity in teaching, and issues of teaching methods, forms and means in vocational technical education.

## Participation in the solution of selected projects

2011 - 2013: Co-researcher of the project "Innovation of the accredited bachelor's field of study "Practical Teaching" at the Faculty of Pedagogy of Masaryk University"

2017-2019: Co-researcher of the project "Community of practice - platform for the development of key competences".

2018 - 2020: Co-researcher of the project "Development of the process of undergraduate education at PdF MU: thorough preparation for good practice"

2020: Principal investigator of the project "Innovation of the teaching of the subject Integrated natural and social science foundation 1 as part of the Teaching program for the 1st grade of elementary school to strengthen students' natural science and polytechnic literacy"

2020 - 2022: Co-researcher of the project "Digital competence - the gateway to development from A to Z (DIKOBRAZ)"

### Academic internships

- 4/10/2021 - 5/10/2021: DTI University, Dubnica nad Váhom, Slovak Republic

### Interuniversity cooperation

- Cooperation with the Institute of Lifelong Education of the Mendel University, Brno.
- Foreign cooperation with DTI University, Dubnica nad Váhom
- Foreign cooperation with the university "Vilnius Gediminas Technical University, Faculty of Mechanics" in Vinius (Lithuania).

### Selected publications

- PECINA, Pavel a Peter MARINIČ. Teacher's competence for problem-based and research-oriented teaching of vocational subjects in the conditions of digital education and connectivism. In Petr Adamec, Michal Šimáně, Martina Miškelová (Eds.). *TRENDS AND COMPETENCIES IN VOCATIONAL EDUCATION*. London: Sciemcee Publishing is part of SCIEEMCEE., 2022. s. 163-182, 19 s. ISBN 978-1-7399378-2-9.
- ADAMEC, Petr a Pavel PECINA. *Kapitoly z didaktiky pro odborné vzdělávání I*. Brno: Mendelova univerzita v Brně, Institut celoživotního vzdělávání, Oddělení sociálních věd, 2022. 112 s. ISBN 978-80-7509-869-6.
- PECINA, Pavel a Marek LUPAČ. VÝZKUM UČEBNÍCH POMŮCEK V ODBORNÉM TECHNICKÉM VZDĚLÁVÁNÍ V KONTEXTU 4. PRŮMYSLOVÉ REVOLUCE. In Prof. PaedDr. Tomáš Lengyelalussy, PhD., doc. PaedDr. Dáša Porubčanová, PhD., RNDr. Štefan Tkáčik, PhD. *15. didaktická konferencia*. Dubnica nad Váhom: Vysoká škola DTI, 2022. s. 133-140. ISBN 978-80-8222-044-8.
- PECINA, Pavel a Kateřina ŠMEJKALOVÁ. Výzkum kvality výuky odborných předmětů s využitím didaktických kazuistik. In Petr Adamec, Michal Šimáně et al. *VYBRANÉ KAPITOLY SOUDOBÝCH TÉMAT ODBORNÉHO VZDĚLÁVÁNÍ*. 1. vyd. Praha: POWERPRINT, 2021. s. 62-73, 11 s. ISBN 978-80-7568-402-8.
- PECINA, Pavel a Lucia KRIŠTOFIAKOVÁ. *Vybrané aspekty výuky odborných předmětů a praktického vyučování na středních odborných školách*. Dubnica nad Váhom: Vysoká škola DTI, 2021. 116 s. ISBN 978-80-8222-032-5.
- VISELGA, Gintas a Pavel PECINA. Investigation of Motion Parameters of Truss Structure Module. In PhDr. Jan Válek, Ph.D. Mgr. Ing. Peter Marinič, Ph.D. Mgr. Pavel Pecina, Ph.D. *14. mezinárodní vědecká konference. Didaktická konference 2021*. 1 vyd. Brno: Masarykova univerzita, 2021. s. 8-14. ISBN 978-80-210-9998-2.