Name:

Dr. Zoltán Kovács

Place and date of birth:

Debrecen (Hungary), 1961

Workplace:

Eszterházy Károly Catholic University

Position:

Associate professor, Head of Department

Orcid: 0000-0002-0822-299X

Qualifications and degrees

1985 - Secondary School Teacher of Mathematics and Physics, with honours (Kossuth Lajos University, Debrecen, Hungary)

1988: Doctor of Sciences (PhD equivalent) with the distinction *Sub auspiciis rei publicae popularis* (Kossuth Lajos University, Debrecen, Hungary)

1994. Candidate of Science in Mathematics (CSc, Hungarian Academy of Sciences)

2022. Habilitated Doctorate (dr. Habil) in Mathematics and Computer Science (University of Debrecen, Debrecen)

Jobs

University of Nyíregyháza and its predecessors (1985-2020)

University of Debrecen and its predecessor (since 1996, part-time employment)

Eszterházy Károly Catholic University and its predecessor (from 2020)

Leadership experience

Deputy Rector for Education (University of Nyíregyháza, 2007-2015)

Head of Department (Eszterházy Károly Catholic University, 2021-)

Research area

Differential geometry, Finsler geometry. Methodological issues in mathematics learning and teaching: problem solving, problem creation, digital tools in mathematics teaching, motivation and engagement. He has 63 scientific publications and 9 peer-reviewed higher education textbooks. (full list: [Kovács Zoltán (matematikatudomány) (MTMT)](#) The most important publications are:

https://tudoster.idea.unideb.hu/hu/szerzok/4338

The scientific career

He has worked in higher education since 1985. During this time, he has been a supervisor of the MA in Mathematics at the University of Nyíregyháza. During his career, he was first involved in teaching geometric subjects related to his scientific interest at the time, differential geometry. His scientific interest then turned to computer-assisted mathematics teaching, problem-solving and problem-posing, which has influenced his teaching portfolio, as he now also teaches subjects in the field of methodology.

Since its foundation, he has been involved as a supervisor and lecturer in the Mathematics Didactics programme of the Doctoral School of Mathematics and Computer Science at the University of Debrecen, where he has been the supervisor of six graduate students. He is currently the supervisor of two active students. He is regularly involved as a referee and committee member in evaluating doctoral (PhD) and habilitation theses. He has also been an invited plenary speaker at several international scientific conferences.

Participates in the Research Programme on Public Education of the Hungarian Academy of Sciences, where he and his colleagues conduct school experiments on the possibilities of problem-based mathematics learning in schools

Editorial responsibilities

Teaching Mathematics and Computer Science journal, editor
Publicationes Mathematicae (Debrecen), editor
Annales Mathematicae et Informaticae, Editor