

**Durđica Takači** is a full professor of the Faculty of Science, University of Novi Sad, since 1997. She was teaching several calculus courses for university and high school talented students. Her latest research is based on mathematical modelling in science and education. In the last twenty years she was examining the influence of computer based environment on students' achievements in learning different mathematical contents. She is an author of more than 100 research papers, one monograph and thirty two university text-books.

She actively participated in the projects: 2 Interreg mirror projects: Novi Sad-Szeged, Szeged-Novı Sad, 2007-2008; IPA projects: MATHPHYS-BRIDGE, IPA HUSRB/1203/221/0242, IPA project: HUSRB/0901/221/088 TEAMATHMODSCI, 2010-2011; EU project Fibonacci, 2010-2011; Tempus project: VisMath: 530394-TEMPUS-1-2012-2014.

She was main organizer of 4 international conferences: Panonian mathematical modelling 2011, 2015, Cadgme 2012, GeoGebra 2011.

Selected publications:

1. Takači, Dj., Stankov G., Milanović I., (2015), Efficiency of learning environment using GeoGebra when calculus contents are learned in collaborative groups, *Computer & Education*, Vol 82 (1), 421 – 431.
2. Takači, Đ., Marić, M., Stankov, G., Djenić, A. (2017). Efficiency of using VNS algorithm for forming heterogeneous groups for CSCL learning. *Computers and Education*, Vol. 109, 98-108
3. Kostić, V., Stankov-Jovanović, V., Sekulić, T., & Takači, D. (2016). Visualization of problem solving related to the quantitative composition of solutions in the dynamic GeoGebra environment. *Chemistry Education Research and Practice*, 17(1), 120-138.
4. Takači, Dj., Takači, A., On the character of operational solutions of the time-fractional diffusion equation, *Nonlinear Analysis, Theory, Methods & Applications*, (2010), vol. 72, 5, 2367-2374.
5. Dimovski I., Takači, Dj., Animations Made in Matlab and Their Application for Didactic Purposes, *Croat. Journal of Education*, (2011), vol. 13 br. 1, 99-137.
6. Takači, Dj., Takači, A., Takači, A., (2014) On the operational solutions of fuzzy fractional differential equations, *Fractional Calculus and Applied Analysis*, vol. 26 br. 4, str. 1100-1113.

Selected books:

1. Takači Dj., Takači, A., (2010) Zbirka zadataka iz Analize I, prvi deo, "Symbol", Novi Sad
2. Takači Dj., Takači, A., (2014) Opšta matematika, "Symbol", Novi Sad,
3. Pap, E., Takači Dj., Takači, A., (1997) Partial Differential Equations through Examples and Exercises, Kluwer Academic Publishers, Dordrecht, The Netherlands.
4. Schmeelk, J., Takači Dj., Takači, A., (1995) Elementary Analysis through Examples and Exercises, Kluwer Academic Publishers, Dordrecht, The Netherlands.