

# Viera Mendelová

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## Research and scientific profile

### Education and academic qualification

- Bachelor's studies      Finance, banking and investment (2005 – 2008)  
Matej Bel University in Banská Bystrica  
Faculty of Economics (Bc.)  
Thesis: Transmission mechanism of the monetary policy of the  
Slovak republic in context of the entry to the euro zone [in  
Slovak]
- Master's studies      Finance, banking and investment (2008 – 2010)  
Matej Bel University in Banská Bystrica  
Faculty of Economics (Ing.)  
Thesis: Econometric model of transmission mechanism of the  
monetary policy [in Slovak]
- Doctoral studies      Corporate Economics and Management (2010 – 2013)  
Matej Bel University in Banská Bystrica  
Faculty of Economics (PhD.)  
Thesis: Use of DEA models in corporate management process  
[in Slovak]

### Employment | Service

- 09/2013 – present:      lecturer  
Department of Quantitative Methods and Information Systems  
Faculty of Economics  
Matej Bel University in Banská Bystrica, Slovak Republic
- 06/2007 – 09/2007      part-time job  
Poistovňa Kooperativa, a.s.  
SNP 38/55, 960 01 Zvolen
- 2005 – 2009      financial agent  
OVB Allfinanz Slovensko, a.s,  
Nádvorná 16, 960 01 Zvolen

## Research Funding (Selected Projects)

- VEGA projects
- # 1/0843/18 Methodological aspects of DEA application on efficiency assessment of production units  
Chief researcher  
1/2018 – 12/2020
  - # 1/0757/15 Augmentation of the theoretical construct of the SCP paradigm and of the efficient structure hypothesis in banking and insurance by the aspect of risk and their empirical validation in the conditions of the Slovak Republic  
Scientific co-worker  
1/2015 – 12/2017
  - # 1/1276/12 Macroeconomic processes dynamics in open economies  
Scientific co-worker  
1/2012 – 12/2014
  - # 1/0765/12 Research into possibilities and perspectives of employing traditional and alternative approaches in financial management and financial decision-making in the changing economic environment  
Scientific co-worker  
1/2012 – 12/2014

## Selected Publications

- ROHÁČOVÁ, V. 2011. Ekonometrický model transmisného mechanizmu menovej politiky Slovenskej republiky. In *Acta Aerrarii Publici: vedecký časopis Ekonomickej fakulty Univerzity Mateja Bela v Banskej Bystrici*, 2011, 8(1): 60-74.
- ROHÁČOVÁ, V. 2011. Nákladová efektívnosť vybraných dopravných podnikov Českej republiky – aplikácia obalovej analýzy dát. In *Ekonomická revue: Central European Review of Economic Issues*, 2011, 14(3): 175-182.
- BOĎA, M., ROHÁČOVÁ, V. 2012. Využitie Malmquistovho indexu a obalovej analýzy dát pri hodnotení vývoja technickej efektívnosti podnikov verejnej dopravy. In *Acta Oeconomica Universitatis Selye: vedecký recenzovaný časopis*, 2012, 1(1): 147-154.
- BOĎA, M., ROHÁČOVÁ, V., STRIEŽOVSKÁ, L. 2012. An approach to finding business cycles: a case study of three countries. In *Applications of mathematics and statistics in economics 2012: conference proceedings, 15th AMSE, Liberec, 30. August – 1. September 2012*. Prague: University of Economics, *Oeconomica*, 2012, pp. 1-15.
- KRÁL, P., ROHÁČOVÁ, V. 2013. Measuring the efficiency of public road transport companies in the Slovak Republic using DEA and SFA. In *Statistika: statistics and economy journal*, 2013, 93(2): 76-83.
- ROHÁČOVÁ, V. 2013. Využitie DEA modelov pri hodnotení efektívnosti investičných projektov. In *Revue mladých vedcov: zborník vedeckých prác doktorandov a mladých*

vedeckých pracovníkov. Žilina: Žilinská univerzita, Fakulta riadenia a informatiky, 2013, pp. 161-164.

BOĎA, M., ROHÁČOVÁ, V. 2014. Application of six sigma ideas to timing decisions at financial markets. In Applications of mathematics and statistics in economics 2014:conference proceedings, 17th AMSE, Jerzmanowice, 27-31 August 2014. Wrocław: Wydawnictwo Uniwersytetu ekonomicznego we Wrocławiu, 2014, pp. 36-45.

ROHÁČOVÁ, V. 2014. Use of DEA in examining the impact of the total factor productivity change on economic growth. In Lecture Notes in Management Science, Management Innovation and Business Innovation: 2nd International conference on management innovation and business innovation (ICMIBI 2014), , 8-9 december 2014, 44: 35-40.

ROHÁČOVÁ, V. 2015. A DEA based approach for optimization of urban public transport system. In Central European Journal of Operations Research, 2015, 23(1): 215-233.

ROHÁČOVÁ, V., KRÁL, P. 2015. Corporate failure prediction using DEA: an application to companies in the Slovak Republic. In Applications of mathematics and statistics in economics 2015: conference proceedings, 18th AMSE, Jindřichův Hradec, 2-6 September 2015. Prague : University of Economics, 2015, pp.1-8.

MENDELOVÁ, V. 2016. A simple methodology for measuring strategic business performance in banks. In Applications of mathematics and statistics in economics 2016: conference proceedings, 19th AMSE, Banská Štiavnica, 31 August - 4 September 2016. Banská Bystrica: Občianske združenie Financ, 2016, pp. 258-268.

KAŠČÁKOVÁ, A., MENDELOVÁ, V., NEDELOVÁ, G. 2017. Weighting methods in construction of active ageing indicator. In Applications of mathematics and statistics in economics 2017: conference proceedings, 20th AMSE, Szklarska Poręba, 30 August - 03 September 2017. Wrocław: Wrocław university of economics, 2017, pp. 247-258.

MENDELOVÁ, V., BIELIKOVÁ, T. 2017. Diagnostikovanie finančného zdravia podnikov pomocou metódy DEA: aplikácia na podniky v Slovenskej republike In Politická ekonomie: teorie, modelování, aplikace, 2017, 65(1): 26-44.