CONTENTS

Part I.

Bělušová Kristýna, Brychta Karel
Categorization of the Risks Related to Payment and Taxation of Dividend Income in Conditions of the Czech Republic **11**

Bilíková Mária, Ondrejková Krčová Ingrid
Modelling life insurance risk for teaching purposes **20**

Boďa Martin, Kanderová Mária
Period and threshold rebalancing of blended big-cap growth and big-cap value portfolios **28**

Borovcová Martina, Hasoňová Daniela
Insurance Market: Analysis, Development, Risks **36**

Branda Martin
Sparsity and regularization in portfolio selection problems **45**

Branžovský Jiří
Influence of the macroeconomic indicators on the stock market **53**

Buben Ondřej, Bokšová Jiřina
The Beginning of Sustainable Financial System in Europe **61**

Byrska Dominika, Borowska Aleksandra
Stability problems of limit cycles in the keynesian business cycle models **68**

Černá Dana
Wavelet method for sensitivity analysis of options under the Black-Scholes model **77**

Daníšek Matušková Petra, Vyskočilová Štěpánka
EU Funds Implementation Risks in the Czech Republic in 2007-2013 Programming Period **85**

Dautaliyeva Gulnur
Increasing the stability of the national currency of Kazakhstan **94**

Drugdová Barbora
On the issue of commercial insurance market as a part of the financial market in the Slovak Republic **101**

Dvořáčková Hana, Jochec Marek
Disposition Effect in the Experimental Currency Trading **107**

Frączkiewicz-Wronka Aldona, Kozak Anna
Identification of institutional development of the local government unit – the risk of dissatisfaction of stakeholders as barrier to development **113**

Funioková Taťána, Novotná Martina
Application of Classification Trees for Credit Rating Prediction **121**

Gogola Ján
Modelling Extreme values of the PX Index returns **129**

Guliak Roman
Criteria Interaction in Regional Effectiveness Measurement **138**

Guo Haochen
Volatility Model based EWMA Minimum Variance Hedging **145**

Gurný Petr, Čulík Miroslav, Popp Martin
Evaluation of the Influence of Value Indicators on the Value Creation of Selected Czech Companies **153**

Horák Josef, Bokšová Jiřina
Risks connected with undisclosed financial statements **165**

Horáková Galina, Slaninka František
Optimal reinsurance of very large losses using the semi-variance **171**

Hozman Jiří, Tichý Tomáš
DG method for sensitivity measurement of Black-Scholes option prices **179**

Chytilová Lucie
Data Envelopment Analysis in Small and Medium Enterprises in hospitality industry **189**

Ištok Michal, Kanderová Mária, Krištofík Peter
The impact of moving the owners' registered office to tax havens on the reported values of land and structures **195**

Kaczmarczyk Wojciech
Information asymmetry risk on Polish Stock Exchange on example of GetBack S.A. **205**

Knošková Natália, Fecenko Jozef
Validation of Technical Provisions in Solvency II **213**

Kolková Andrea
Technical indicators as a quantitative method of forecasting in the business economy **221**

Kořená Kateřina
Investing for Retirement with Focus on Pension Funds **229**

Kotěšovcová Jana, Mihola Jiří, Wawrosz Petr
The dependence of macroeconomic indicators on sovereign rating **235**

Kozmík Václav, Šmíd Martin
Solution of Emission Management Problem **243**

Kubicová Jana, Jančovičová-Bognárová Kristína
Risk of the Double International Income Taxation of the Foreign Operators of Digital Platforms and a Violation of the Bilateral Tax Treaties – case of Slovakia 249

Kubicová Jana, Sergi Bruno S.
Do Firms' Loans and Visits of Tax Officials Relate to the Corruption Behaviour of Tax Officials? 257

Kuzior Anna, Rówińska Małgorzata
The scope and quality of financial risk disclosures on the example of companies from the food sector quoted on the Warsaw Stock Exchange 265

Lamantia Fabio, Radi Davide
Evolutionary competition of behavioral rules in oligopoly games with memory 272

Lando Tommaso, Staníčková Michaela, Franek Jiří
Parametric families for the Lorenz curve: an analysis of income distribution in the European countries 280

Part II.

Lun Gao, Čulík Miroslav
Comparison of Selected Methods for American Option Pricing 288

Málek Jíří, van Quang Tran
Risk measures and their practical consequences 298

Marček Dušan
Extracting Knowledge Problems from Economic Databases – an Application of SV Machine for Inflation Modelling 306

Masár Matej, Kelíšek Alexander
Using Early Warning System in Small and Medium Sized Enterprises 314

Mastalerz-Kodzis Adrianna
Methodology for Measuring the Economic Potential of Financial Institutions 322

Mihola Jiří, Wawrosz Petr
Alternative measurement of Elasticity 329

Mikulec Ondřej
Predicting the Risk of Employee´s Long Term Absenteeism 337

Mucha Vladimír
Applying simulations in the individual risk model using R 344

Musa Hussam, Natorin Viacheslav
Risk controlling of traditional and Islamic banking systems 354

Novotný Josef, Ohanka David
Analysis of the Effective Rate of Income Tax in the Banking Sector of the Czech Republic 363

Ortobelli Sergio, Kouaissah Noureddine
Implications of conditional expectation in portfolio theory 372

Pacáková Viera, Kopecká Lucie
Health and Economic Risks of Longevity in European Countries 380

Páleš Michal, Kaderová Andrea
Stress tests in actuarial practice 388

Pinda Ľudovít, Mišota Branislav, Smažáková Lenka
Securitization and basic risk in agricultural crop insurance 397

Polednáková Anna
Diversification as a strategy of mergers and acquisitions 406

Pośpiech Ewa
The Risk of Multi-Criteria Portfolios Taking into Account the Fuzzy Approach 411

Ptáčková Barbora
Application of static and dynamic approach to analyze financial performance of a company 419

Pýcha Mikuláš
Financial regulation evolvement and its expenses impact on banking sector in Czech Republic 428

Radi Davide, Lamantia Fabio
An Asset Pricing Model with Heterogeneous Beliefs: Stubborn versus Fickle Traders 438

Randáková Monika, Bokšová Jiřina, Hospodka Jan
Valuation of settlement share in the founding documents of a corporation 446

Randáková Monika, Hospodka Jan
Comparison of accounting rules for companies in bankruptcy 452

Ratmanová Iveta, Lisztwanová Karolina
Assessment of Factors Influencing Final Corporate Income Tax of Financial Institutions in the Czech Republic 459

Richtarová Dagmar
Application of dynamic methods in performance evaluation of selected industries of the Czech Republic 468

Sakálová Katarína, Kamenárová Mária
Assessment of The Solvency and Financial Condition Report of the insurance companies in Slovakia for 2017 476

Sakálová Katarína, Ondrejková Krčová Ingrid
Advantages and disadvantages of particular types of bonus from the point of view of life insurance company **484**

Strežo Marek
Modelling Non-life Insurance Price using Generalized Linear Models **492**

Strouhal Jiří
Hedging from Accounting Perspective: Theory versus Reality **502**

Svoboda Martin, Reuse Svend, Rüder Annika, Boka Noel
Interest Rate Risk in the Banking Book (IRRBB) – Forecast quality of the EBA scenarios comparing to the Historical Simulation **511**

Šimůnek Jiří, Bokšová Jiřina
Quality of reporting under IAS 14 Revised in comparison with the new reporting requirements under IFRS 8 of selected companies with a statutory seat in the Czech Republic **521**

Špačková Adéla
Insurance Premium Calculation Using Generalized Linear models **528**

Tian Yuan
Pricing of CDO under Copula Framework **537**

Tichý Tomáš, Kresta Aleš
Copula function estimation using FT technique **545**

Torri Gabriele, Tichý Tomáš, Giacometti Rosella
Network conditional tail risk estimation in the European banking system **550**

Valecký Jiří
Selection of optimal vehicle insurance by stochastic optimisation **558**

Vašek Jan
Aluminium Price Management Transaction Costs: Exploratory Case Study **564**

Vokoun Marek
Continuous innovation strategy: Czech economy between 2008 and 2014 **572**

Zmeškal Zdeněk, Dluhošová Dana
Proposal and verification of network prediction assets model **579**