

List of dissertations

Category 1 - Economics and finance

- **Eva Poledníková (Minarčíková)** – *Evaluation of region's development of Visegrad four countries in the context of EU cohesion policy*
- **Jiří Franek** – *Verification and application of non-linear multiple criteria decomposition decision making methods in area of business management*
- **Martin Klepek** - *Marketing communications of brands on social media in the Czech Republic*
- **Rafał Buła** - *Implications of the fractal market theory for the assessment of financial investment risk*
- **Roman Namysłowski** - *Fulfilment of the neutrality principle versus fiscal function of the tax on goods and services*
- **Stanislav Cút** - *Predicting corporate financial condition in a rapidly changing economic environment*

Category 2 - Raw materials, energy and the environment

- **Barbara Matuszková** - *The biodiversity of Lepidoptera in reclaimed areas within the postmining landscape*
- **Karolina Knapik** - *Experimental and numerical analyses of fly ash from fluidized bed combustion applications for selected ground improvement*
- **Ladislav Šigut** - *Analysis of dynamics of net ecosystem exchange and gross primary production estimated by eddy covariance method in forest ecosystems in the Czech Republic*
- **Libor Baraňák** - *Research of the qualitative parameters of the by-products after thermal degradation, with priority to energy recovery*

Category 3 - Health and applications in healthcare

- **Damian Nakonieczny** - *Structure and physicochemical properties of the modified zirconia bioceramics*
- **Franciszek Binczyk** - *Processing and analysis of data obtained using Nuclear Magnetic Resonance technology in the diagnosis and treatment of brain tumours*
- **Jana Valečková** - *Identification of factors affecting the purchase behaviour of pharmaceutical products*
- **Justyna Knapik-Kowalczuk** - *Effective ways of stabilizing the amorphous form of ezetimib drug*
- **Lenka Šáteková** - *The measuring tools to assess the risk of pressure ulcers*

Category 4 - Information Technology

- **Grzegorz Tadeusz Machnik** - *Evolutionary algorithms in fractal utility models designing*
- **Ivan Lovás** – *The control of brushless motors in borderline modes*

Category 5 - Competitive Engineering, Materials Research

- **Anna Brzowska-Stanuch** - *Effect of additives on the photodegradation process of selected fiber-forming polymers*
- **Bartłomiej Będkowski** - *The system of the selection and parameter estimates of cooling systems of the chosen electrical machines*
- **Gabriela Rožnovská** - *Physical metallurgy of supermartensitic steels*
- **Krzysztof Twardoch** - *Prediction the dynamic state of bevel gear transmission system taking into account the load of mining machinery*
- **Magdalena Macek** - *Structure and properties of aluminium nanocomposite materials reinforced with carbon nanotubes*
- **Magdalena Tarnacka** - *Polymerization reactions at various thermodynamic conditions. Kinetics studies.*
- **Marek Gebauer** - *Study of New Way of Cooling Brakes for Racing Car*
- **Marta Soltys** - *Synthesis and properties of lead phosphate glasses doped with lanthanide ions*