

Dissertation topics for academic year 2022/2023

Field of study: Economics and Management

Study programme: Economics and Management of Agriculture and Food Processing

INSTITUTE OF ECONOMICS AND MANAGEMENT

Supervisor:

doc. Ing. Daniela Hupková, PhD.

Dissertation topic:

Demand Relationships in a Selected Agri-food Supply Chain

The main goal of the dissertation thesis will be to examine the demand relationships within the defined agri-food product vertical. Econometric analysis will be applied when examining primary and secondary demand functions. The work will focus on sets of demand functions within the consumer basket of households, or in its logically integrated part. To evaluate the demand relations, a suitable model of the system of demand equations will be compiled and applied, such as trans logarithmic system, Rotterdam system, Almost Ideal Demand System - AIDS system. The price sensitivity of demand responses will be investigated using the compiled econometric model. To evaluate the price sensitivity of demand functions within the investigated product vertical, the coefficients of common elasticity, or coefficients of elasticity of Marshall and Hicks demand function will be used. To achieve the defined goal of the dissertation, the use of databases as well as research work of institutions such as the Ministry of Agriculture and Rural Development of the Slovak Republic, the Research Institute of Agricultural and Food Economics, Eurostat, the Statistical Office of the Slovak Republic, NBS, World bank, etc. Research, which will include the dissertation: Demand-driven research for sustainable and innovative foods, DSV Drive 4SIFOOD; VEGA 1/0808/21 Assessing the impacts of climate change on the agricultural sector and the possibilities for adaptation

Topic for applicants for full time study.

INSTITUTE OF ECONOMIC POLICY AND FINANCE

Supervisor:

prof. Ing. Ján Pokrivčák, PhD.

Dissertation topic:

Impact of Agriculture and the Common Agriculture Policy of the EU on the Environment

At least 40 percent of the CAP budget will be spent on environmental public goods in the new programming period of 2021 – 2027, which is also 30 percent of pillar 2 of the CAP. There are three specific goals of the new CAP in the environmental area: climate change adaptation and mitigation, protection of natural resources, and biodiversity. The dissertation will evaluate the effects of the CAP in the previous programming period, and analyse the new CAP interventions. We will collect all relevant indicators that measure effects of agricultural policies on the environment and conduct economic and statistical analysis.

Topic for applicants for full time study.

Supervisor:

prof. Ing. Ján Pokrivčák, PhD.

Dissertation topic:

Sharing Economy in Agriculture

Sharing economy business model is gaining momentum in many countries. After making inroads in tourism, the transportation sector, (in particular, the ride-sharing applications), the sharing economy scheme is now making headways in the agriculture sector. The agriculture sector is facing numerous problems globally. Among problems being encountered are the disparity of commodity prices at the farmers level and the end consumers. Often, farmers receive only thin margin for products they produce, while large margins are enjoyed by traders or middlemen. The other issues encountered by farmers are lack of information. As a result, the farmers can not manage well their production level to adjust to the current market price or anticipate price trend. The other major problem is lack of financial access, which limits their capability to expand their production. Given the above problems, a number of startup companies and entrepreneurs have tried to utilize technology to produce better agri products, create platforms to provide capital to farmers through crowdsourcing platform as well as slashing the lengthy distribution chain by creating e-commerce platform, that enables farmers or suppliers send or deliver products directly to customers. These applications are basically an implementation of shared economic models. There are various definitions of sharing economy. However, sharing economy, shared economy or collaborative consumption, is basically an economic system in which assets or services are shared between private individuals, either free or for a fee, typically by platform. The objective of dissertation project is to analyze the sharing economy platforms in their aim to increase farmer's welfare by empowering farmers to become 'agropreneurs', creating an efficient agriculture ecosystem. In our dissertation we plan to undertake a survey and data will serve for the purposes of analysis with the implementation econometric models and methods, and the conclusions will serve as recommendation for policymakers.

Topic for applicants for full time study.

Supervisor:

doc. Ing. Artan Qineti, PhD.

Dissertation topic:

THE IMPACT OF COVID PANDEMICS ON THE ECONOMY AND THE SECTOR OF TOURISM IN MENA REGION

The worldwide COVID-19 pandemic has affected the tourism sector by closing borders, reducing both the transportation of tourists and tourist demand. Developing countries, such as MENA region, where the tourism sector contributes a considerable share to gross domestic product, are facing considerable economic consequences. Tourism interlinks domestic sectors such as transport, accommodation, beverages and food, and retail trade and thus plays an important role in household income. The doctoral study will assess the macroeconomic impacts of COVID-19 on the tourism sector and the MENA economy as cases study of impacted developing economies. In the framework of doctoral research, econometric models will be implemented to simulate and quantitatively analyze the economic impacts resulting from the COVID-19 pandemic with specific emphasis on the sector of tourism in MENA region.

Topic for applicants for full time and part time study.

Supervisor:

doc. Ing. Artan Qineti, PhD.

Dissertation topic:

THE IMPACT OF COVID PANDEMICS ON THE ECONOMY AND THE SECTOR OF TOURISM IN SOUTH EASTERN EUROPEAN REGION

The worldwide COVID-19 pandemic has affected the tourism sector by closing borders, reducing both the transportation of tourists and tourist demand. Developing countries, as well as SEE region, where the tourism sector contributes a considerable share to gross domestic product, are facing considerable economic consequences. Tourism interlinks domestic sectors such as transport, accommodation, beverages and food, and retail trade and thus plays an important role in household income. The doctoral study will assess the macroeconomic impacts of COVID-19 on the tourism sector and the SEE economy as cases study of impacted developing economies. In the framework of doctoral research, econometric models will be implemented to simulate and quantitatively analyze the economic impacts resulting from the COVID-19 pandemic with specific emphasis on the sector of tourism in SEE region.

Topic for applicants for full time and part time study.

Supervisor:

doc. Ing. Marián Tóth, PhD.

Dissertation topic:

Farm Risk Mitigation Measures under CAP 2023-2027 in Slovakia

In recent years, the risk in agriculture has increased mainly due to biological and climatic change, which has a negative impact on the stability of production, prices, and incomes of farmers. Instability leads to reduced investment, which worsens the competitiveness of agriculture. It is therefore important to seek risk management solutions in the context of open markets and deteriorating climate change. Risk insurance on farms in Slovakia is insufficient. According to estimates, farm insurance in Slovakia is 35%, while in the Czech Republic it is 55% and in Austria around 80%. The low level of commercial insurance is the result of high insurance prices, an unsuitable offer of insurance products, resp. non-coverage of some important risks by commercial insurance in Slovakia, high premium, volatile agricultural policy in relation to insurance and low awareness. The problems are mainly with risks that are difficult to insure. Purely commercial insurance markets do not work perfectly in terms of the public interest for agriculture. Most EU Member States therefore support risk management in agriculture. These are either support for commercial insurance, support for mutual funds, or ex ante, resp. ex post compensation for the costs of repairing losses and damage following disasters, such catastrophic risks being, on a commercial basis, either difficult to insure or fully uninsurable. The new CAP for 2021-2027, according to the proposal for a Regulation of the European Parliament and of the Council on Strategic Plans, requires Member States to provide support for risk management through public policies. The Slovak Republic has notified state aid in risk management for the years 2019 to 2023 on the basis of Commission Regulation (EU) no. Regulation (EU) No 702/2014 of 25 June 2014 declaring certain categories of aid in the agriculture and forestry sector and in rural areas compatible with the internal market in application of Articles 107 and 108 of the Treaty on the European Union. In the Strategic Plan of the CAP, the Slovak Republic must set out the method of supporting risk management for the following period. The dissertation will evaluate the riskiness of farms in the conditions of the Slovak Republic, the sources of risk and the extent to which individual

risk reduction tools can contribute to reducing the risk of farm business. Based on data on prices, production, yields of commodities of crop production and animal production, the thesis will assess the degree of production, price and yield risk of agricultural production. Based on the impact of risk reduction tools and experiences from other countries, conclusions and recommendations will be formulated for policy makers.

Topic for applicants for full time study.

DEPARTMENT OF STATISTICS AND OPERATIONS RESEARCH

Supervisor:

prof. Ing. Ľubica Bartová, CSc.

Dissertation topic:

Farm Investment and Sustainable Agriculture

The EU Agro-food system faces serious challenges with respect to adaptation to climate change, the Covid 19 pandemic and the economic shock of the war in Ukraine. Sustainable agriculture, sustainability of the agro-food chain and reduction of its dependence on production inputs from outside the EU, are becoming guiding principles of agricultural policies and support provided in line with objectives of the European Green Deal. The PhD dissertation will focus on the assessment of investment behaviour of agricultural enterprises in selected EU Member State over the years 2014 - 2023. The aim of the dissertation will be to assess the development of investments and the effects of factors affecting agricultural farm investment including the Covid 19 pandemic, the war in Ukraine and the long-term goals of the Europe Green Deal. The effects of investment support provided under the second pillar of the Common Agricultural Policy on the farm investment behaviour will be examined, with a focus on innovative green investment and the sustainability of the agro-food chain. Farm micro-data from national and EU databases will be used. Combined approaches of quantitative and qualitative methods will be applied. Panel data models, semi-parametric approaches and counterfactual analysis methods will be applied to estimate policy effects.

Topic for applicants for full time and part time study.