

# Evaluation of risk factors in the development of the viticulture and wine sector in the Republic of Moldova (compared to Ukraine, Romania, Czech Republic, Germany)

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**Abstract.** The viticulture and winemaking sector of the Republic of Moldova is important and strategic for the national economy. The successful activity of enterprises in the viticulture and winemaking sector is closely related to some factors - risk factors. During the 2020-2022 years, enterprises from the Moldova, Ukraine, Romania, the Czech Republic, Germany, with viticulture and winemaking activities, were surveyed. Criteria for assessing risk factors ranged from 1.0 (low) to 5.0 (high). As a result of data processing, the following total average results were obtained - economic factors - Moldova - 4.08, Ukraine - 4.56, Romania - 3.92, Czech Republic - 3.51, Germany - 2.53; political factors - Moldova - 4.04, Ukraine - 4.82, Romania - 4.01, Czech Republic - 3.68, Germany - 2.86; technological factors - Moldova - 4.10, Ukraine - 4.02, Romania - 4.00, Czech Republic - 4.06, Germany - 3.60; environmental factors - Moldova - 4.06, Ukraine - 4.13, Romania - 3.75, Czech Republic - 3.24, Germany - 2.13; legislative factors - Moldova - 4.05, Ukraine - 4.60, Romania - 4.06, Czech Republic - 4.02, Germany - 4.00; information factors - Moldova - 4.02, Ukraine - 4.46, Romania - 3.48, Czech Republic - 3.92, Germany - 3.23; group of moral factors - Moldova - 4.04, Ukraine - 4.20, Romania - 4.15, Czech Republic - 3.95, Germany - 3.00; retrospective factors - Moldova - 4.13, Ukraine - 4.50, Romania - 4.02, Czech Republic - 4.01, Germany - 3.25; factor human resources - Moldova - 4.30, Ukraine - 4.42, Romania - 3.96, Czech Republic - 3.90, Germany - 3.02.

## 1 Introduction

The viticulture and wine sector, in complex with all components of the agri-food sector, are strategic in the Republic of Moldova, but also in other countries worldwide. The development of entities depends on a series of risk factors of different nature [1-8].

The risks in agri-food sector were studied by the many researchers, which divided their opinions variously. For real use of opportunities, it is necessary that decision-makers are able to correctly assess the level of risks, choose a sound strategy and tactics of economic activity in a market environment [9].

In different studies K. Murtazova [10] considered that the environmental and economic efficiency characterizes the aggregate economic performance of the agricultural production process, taking into account its impact on the environment.

As a result of their studies, O. Keichinger and M. Thiollet-Scholthus [11] established that to check to test the

effect of innovative viticultural systems on the socio-economic component of sustainability by taking into account measurable data (working time, treatment program, cost, etc.) but also the feelings of the winegrower the latter point being very important in the appropriation of innovation in its success and in its sustainability.

The purpose of this article is to evaluate of risk factors in the development of the viticulture and wine sector in the Republic of Moldova (compared to Ukraine, Romania, Czech Republic, Germany).

The main objective consists in determining the degree of influence of the factors in the group and individually, and establishing the correlation between them.

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