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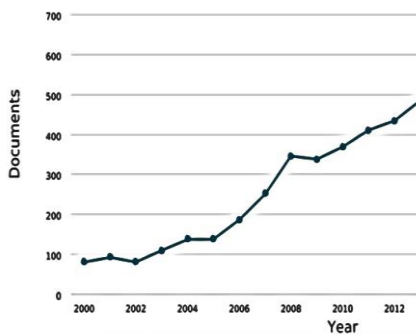
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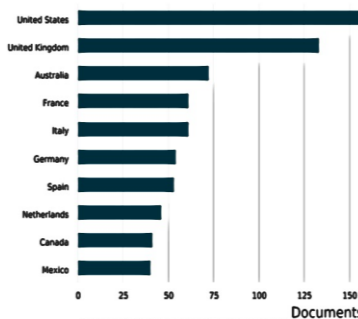
INTERNATIONAL MIGRATION AND DEMOGRAPHIC CHANGE: BIBLIOMETRIC ANALYZING AMONG RESEARCHERS USING SCOPUS AND GOOGLE SCHOLAR

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The findings of bibliometrics analysis confirmed that the number of the papers on the international migration had already declined for 2000-2019 years. Thus, the scientists published 6930 documents in the scientific journals which indexed by Scopus (Figure 1a). Among all papers 81% – papers, 6,7% – review, 6,2% – book chapter. The average annual growth rate – 120%. In this case, in average the numbers of the papers increase by 20%. The findings allowed concluding that the biggest share of the documents was published by the scientists from EU countries (United Kingdom – 980 documents, France – 324, Italy – 348, Germany – 424, Spain – 335, Netherlands – 290). Considering the results of the analysis showed that the issues on international migration had being investigated by the European scientists (Figure 1 b).



a) Documents by year



b) Documents by country or territory

Figure 1. Dynamic (a) and country's affiliation (b) of the investigations on the international migration for 2000-2019 years

Source: developed by the authors based on Scopus (2020).

A large number of articles on international migration had previously been published by Hugo G. (25), King R. (17), Massey D.S. (16), Docquier F. (15), Strielkowski W. (15). Hugo G. mostly analysed of impact of the migration process on the social development in Australia. In the paper (Tan & Hugo, 2017) the scientists analysed the impact of the education on the migration of the Chinese and Indian students in Australia. The findings (Tan & Hugo, 2017) justified the positive impact of the students' mobility on the increasing of highly skilled workforce in Australia. Durand J. and Massey D. S. (2019), Roland et al. (2017) highlighted contradictions between the migration policy in the destination country and immigration in practice. At the same time, Docquier F. at all. (2017) researched the impact of bilateral migration on the causes of military conflicts among countries. Strielkowski W., Lyuolov O., Nagy Z., Bilan Yu. and their co-authors in their publications (Rausser G. at all, 2018; Lyulyov et al., 2017; 2019; Dalevska et al., 2019; Borella et al., 2017; Nagy et al., 2018) studied the consequences of population outflow for the macroeconomic stability of countries. The scientists used the regression model with such variables as: current account balances, FDI, migrant remittances, minimum wage, time variable and error. Their findings confirmed the statistically significant relationship between macroeconomic indicators of analysed countries and migrants' remittances. Besides, the authors noted the vital role of minimum wages in the country in the population's decisions to emigrate to another country. The findings of the bibliometric analysis using VOSviewer allowed identifying the four main directions of the migration research: (a) definitions and trends; (b) environment and living conditions; (c) management policies; and (d) determinants of effectiveness (Fig. 3). The authors analysed titles, keywords and abstracts of the papers which are indexed by the Scopus scientific databases.

There dominated the papers on the conceptual framework and general explanations of international migration. At the same time, research should base not only on the concepts. Other scientific clusters should also be involved through diversifying international migration research. John Lewis J. and Swannell M. (2018) analysed the macroeconomic factors which influence the migration process. Their study was based on the gravity model (reflecting the estimation of flows between two or more points), which had several determinants and was designed to study the pairwise data of 160 migrant countries of origin and 35 developed economies. The authors confirmed the significant impact of the selected determinants on the migration process among countries: macroeconomic – GDP per capita, population, unemployment rate and real exchange rate; geographical, historical and other – based on the historical and geographical affinity between a destination country and a donor country, as well as employment; freedom of movement – based on the impact of treaties among countries/groups of the countries on the free movement of population among them.

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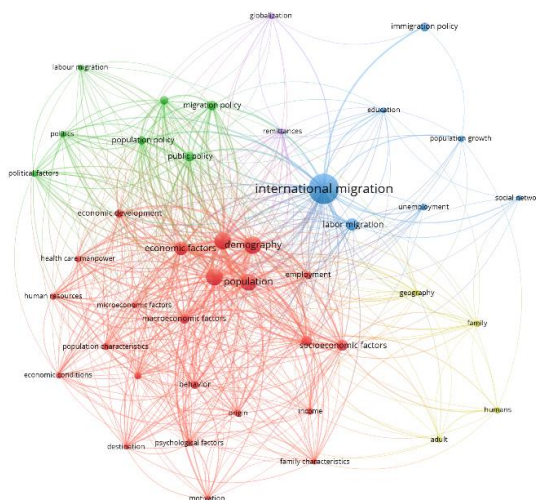


Figure 2. Content analysis of scientific background on international migration issues and visualization via VOSviewer

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