

# **THE IMPACT OF DIGITALIZATION ON SUSTAINABLE DEVELOPMENT INDICATORS**

**Silviu Cârstina<sup>1\*</sup>, Mirela Cristea<sup>2</sup>, Marian Ilie Siminică<sup>3</sup>, Daniel Cîrciumaru<sup>4</sup>, Gabriela Badareu<sup>5</sup>**

*<sup>1)2)3)4)5)</sup> University of Craiova, Craiova, Romania*

## **Abstract**

One of the major objectives of the EU is digitalization. The impact of digitalization is different from one sector to another and sometimes in contradiction with sustainability. Starting from these ideas, we started the research, reporting on three sectors: entrepreneurship-trade, agriculture and justice. After establishing the sectors, we took the necessary steps to obtain the database with the specific indicators. The impact of digitalization on sustainable development indicators in the three sectors represents the central objective of the research, the period to which we reported being 2013 - 2024. The digitalization and sustainable development indicators were extracted at the level of the 27 EU member countries, the statistical processing being carried out with the JASP and Eviews programs. The analysis of the results revealed a lack of correlation between digitalization and sustainability in the agricultural sector, a significant correlation between sustainable development and sustainability in the case of large economic entities within the entrepreneurial environment, and a significant direct correlation between digitalization and the indicators defining the health and justice sectors.

## **Keywords**

entrepreneurship, e-commerce, agriculture, labour market, e-justice, economy

## **JEL Classification**

F43, F63, F64

---

---

\* Corresponding author, **Silviu Cârstina** – [silviu.carstina@yahoo.com](mailto:silviu.carstina@yahoo.com)