DIGITAL TRANSFORMATION AND SUSTAINABILITY IN THE COSMETICS INDUSTRY: ENHANCING ANTIFRAGILITY

Iulia IVAȘCENCO **

a) Academy of Economic Studies of Moldova, Chișinău, Republic of Moldova

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Abstract: This paper examines the integration of digital transformation and sustainability within the cosmetics industry, focusing on their role in enhancing antifragility—a concept where systems benefit and grow from disorder. As the cosmetics sector faces rapid market evolution and increasing regulatory and consumer pressures, embracing digital and sustainable practices offers a strategic advantage. Through mixed-methods research, including case studies of industry leaders like Shiseido and Coty, this study explores how these companies have incorporated digital innovation and environmental considerations into their core strategies to not only mitigate risks but also seize growth opportunities during disruptions. The findings indicate that digital tools and sustainability practices not only help in adapting to immediate market changes but also in driving long-term organizational resilience and competitive advantage. By aligning digital capabilities with sustainable development, cosmetics companies can thrive in an uncertain business environment, turning potential challenges into vectors for innovation and market leadership.

Key words: antifragility; digital transformation; sustainability; cosmetics industry; competitive advantage

JEL Classification: M10; O32; Q55; L65; M15

^{*} Corresponding author. *E-mail address:* jivascenco@gmail.com.

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