



# 10<sup>th</sup> INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

“TEN YEARS WORKING TOGETHER FOR A SUSTAINABLE FUTURE”

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## Performance of the Triple Bottom Line on Brazilian Industrial Production

NEVES, F. O. <sup>\*</sup>, SALGADO, E. G. <sup>a,</sup>

*a. Universidade Federal de Alfenas, Unifal-MG*

*\*Fábio de Oliveira Neves, fabiooneves@gmail.com*

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### Abstract

Researchers emphasize that companies need to integrate the concept of sustainability into their strategies through the practice of organizational culture. This leads to the convergence of the domains of the relationship between production and sustainability through strategic management. This way, this concept of industrial sustainability is a crucial factor for the development of industrial volume. Therefore, the present paper aimed to study which factors of the triple bottom line (3BL) are influencing in the process of Brazilian industrial sustainability, represented by its industrial production. For this, the influence of sixteen factors was evaluated: economic, environmental and social sustainability and Brazilian industrial production through the adjustment of multiple regression models. Carbon dioxide (CO<sub>2</sub>), Workforce (FT) and Human Development Index (HDI) were the factors that influenced industrial production in Brazil. There was no adjustment of any economic sustainability factor related to the industrial production. The conclusions of this paper may be useful for industry as a research tool in different aspects of Brazilian industrial production.

**Keywords:** *Triple Bottom Line; Industrial production; Regression model.*

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