



Dear readers,

The second edition of 2018 of the journal *Produção Online* presents 15 articles related to the areas and related disciplines of production engineering.

The first article analyzes the impact of working day regulation on the health of professional drivers. The case study was carried out by a private medium - sized company, which operates in the area of new car logistics, located in Betim - MG and brings contributions to the prevention of the use of psychoactive substances, accidents at work and other problems that affect health of professional drivers. The following article analyzes the profile of the undergraduate students of the Distance Engineering course offered by CEFET-RJ and UFF through the CEDERJ consortium. The qualitative methodology adopted in the study allowed the elaboration of an overview of the teaching of Production Engineering and the CEDERJ consortium. The third article presents a diagnosis of the homologation and certification processes of cybernetic products that are used by central government agencies and the armed forces, with a view to developing a National Certification and Certification System for this type of product. The fourth article proposes new sequencing rules for the minimization of delay measures in a flow shop environment with sequence independent setup. For the study were analyzed as performance measures the total delay of the schedule, the maximum delay and the number of tasks delayed. The study considers a flow shop with "m" machines and "n" tasks, and therefore brings results to different environments (related to the size of the problem). The fifth article identifies the resilience skills used in emergency maintenance activities of electricity grid distributors.

The sixth article seeks to bring contributions to the literature by showing the possibility of implementing Quick Response Manufacturing (QRM) in the process of developing new eye pencils in a cosmetics company. The seventh paper identifies the work in the area of Product-Service Systems that propose Performance Assessments and analyzes them from the perspective of the conceptual literature of Performance Evaluation. The following article proposes to evaluate, through a reliability analysis, the coherence of the current equipment maintenance strategy of a food industry company located in the interior of the State of São Paulo. The research method used was the statistical modeling applied to the repair time (TTR) and time between failures (TBF) of a set of 6 packaging machines of one of the production lines. The ninth article analyzes the implementation of lean production in the flow of the chemotherapeutic and radiotherapeutic patient, as well as propose guidelines for the development of lean

culture in a hospital operation. The tenth article presents a model of risk management in garment laundries in the textile and apparel APL of the Agreste of Pernambuco, based on ISO 31,000: 2009.

The next article presents the evolution and main practices used in the management of logistics costs in organizations through the evaluation of trade-offs in logistics processes. For the study, a bibliometric analysis was carried out with sixty four scientific articles published between 2006 and 2016. Article twelve analyzes the methods / tools of ergonomic evaluation through the identification and definition of methods, incidence of publications and analysis of specialists. Next, article thirteen proposes an extension of the Value Stream Map for the evaluation of the performance of energy inputs of an industrial organization. The following article proposes a model based on the fuzzy-QFD (Quality Function Deployment) method for the prioritization of waste management actions of electrical and electronic equipment (WEEE). Finally, our fifteenth seeks to understand and present the characteristics, potentialities and challenges of Industry 4.0, in order to analyze its possible implications for the organization of work.

The content of the articles evidences the growing scientific and practical relevance of research in the area of production engineering. It is also evident the constant concern with the resolution of real problems of several regions, which results in the increase of the competitiveness and the sustainable development of Brazil. As always, we hope that this collection of articles, which reflects the state of the art of production engineering, can contribute to the enrichment of your learning.

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