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INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

“INTEGRATING CLEANER PRODUCTION INTO SUSTAINABILITY STRATEGIES”

The Methodology of Life Cycle Analysis with the Aid of Software Umberto

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Abstract

The concern with sustainability and the environment is becoming increasingly apparent. Companies are having to put these issues in its strategic planning, considering the entire lifecycle of their products. It represents not only the concern with the raw material and waste, but also with the destiny of their products after the use generated by them into the environment. This study aimed to describe concepts of the methodology used for the application of Life Cycle Analysis (LCA), its benefits, its limitations and used software, with emphasis on software Umberto, it being a very important tool to aid the study. For that, it was conducted a bibliographic, documentary, qualitative and exploratory search. One can see that Life Cycle Analysis presents some complexity of appliance, but can contribute to the reduction of environmental impacts caused by industrial activities and result in benefits and improvements for the company.

Keywords: *Life Cycle Analysis; literature; environmental impacts.*

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