



10th INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION Report

“TEN YEARS WORKING TOGETHER FOR A SUSTAINABLE FUTURE”

Industrial Symbiosis: what have been researching?

CAVALCANTE, E. T. D. ^{a,b}, SILVA, E. A. ^a

a. Universidade Federal do Piauí, Teresina

b. Faculdade Ademar Rosado, Teresina

**Corresponding author, elissatd@yahoo.com.br*

Abstract

The issue of industrial waste is wide and can generate several by-products when properly utilized. The analogy of industrial activity to ecology is a tendency to perceive the need to look the processes in a cyclical and non-linear way. In this way the Industrial Ecology has several approaches, among them the industrial symbiosis that is the object of this research. The objective of this paper was to analyze the scientific production on industrial symbiosis in the period from 2006 to 2016. In this article we used the EndNote, an online software that manages some international bases and assists in the cataloging the bibliography, there are the British Library and Library of Congress. The Science Direct database was used as well as the CAPES database and also BDTD – Brazilian Digital Library of Theses and Dissertations (both Brazilians). To this purpose, a bibliometry was performed in which the first moment was the choice of key words for research in the databases: industrial waste, industrial symbiosis. More than 130,000 researches on industrial waste were found, however exclusions were made for the final qualitative analysis on 10 articles to content characterization. It was noticed that the Brazilian Law 12,305 / 2010 dealing with the National Solid Waste Policy has not been addressed directly in the surveys even for the Brazilian researches. And it was identified some gaps for future researches such as the need of public policies for the success of ecoparks and industrial symbiosis.

Keywords: *bibliometry, industrial symbiosis, industrial waste management.*
