



INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

"KEY ELEMENTS FOR A SUSTAINABLE WORLD: ENERGY, WATER AND CLIMATE CHANGE"

Environmental Technology for Tanneries and their Adequacy for Projects of Clean Development Mechanism (CDM)

E. A. Ananias^a, S. A. Pacca^b

a. Instituto de Biociências, Universidade de São Paulo, São Paulo, edu.biousp@gmail.com

b. EACH - Universidade de São Paulo, São Paulo, sapacca@gmail.com

Abstract

This work identifies and describes residue treatment technologies for the tannery industry. The objective was considering each technology face to its potential to fulfill the requirements of a clean development mechanism (CDM) project. The CDM offers a source of revenues that might facilitate the adoption of environmental benign technologies by the industry, and therefore, aligns global and local benefits. Through a literature review we identified technologies that could be associated with CDM approaches and the CDM methods that already have been applied to the industry. Despite their high cost, low thermal conversion and gasification of residues are among the most promising technologies. Our next efforts consists of an emission inventory of the tanneries coupled to technical and economic feasibility studies of the most promising alternatives so that we propose a CDM road map for the sector.

Keywords: Tanneries, Alternative waste treatment, Clean Development Mechanism.
