



“Gh. Asachi” Technical University of Iasi, Romania

OVERVIEW OF AN APPROACH BASED ON LCA THEORY

Daniela Claudia Serban

*Technical University Cluj-Napoca, Faculty of Machine Manufacturing, Department of Machine
Manufacturing, 103-105 Muncii Blvd., 3400, Cluj-Napoca, Romania, Phone/Fax: 0040264401664,
e-mail: danaserban@yahoo.com*

Abstract

Industrial practices to minimize total environmental load and improve the environmental efficiency of industrial ecosystems occur in three areas: product design and makeup, process design and operation, and business management strategy. A variety of life cycle analyses and clean production or environmental management systems are used for product and process improvement strategies; environmental auditing and environmental performance evaluation are used to manage business strategies. In these actions, environmental life cycle methodologies play a key role. This role is discussed in this paper.

Keywords: LCA, life cycle assessment, environmental impact assessment
