



## INTERNATIONAL WORKSHOP ADVANCES IN CLEANER PRODUCTION

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

# Valorization of Solid Residues: Egg Shell as Raw Material to New Products Development

D. A. Oliveira<sup>1</sup>, P. Benelli<sup>1</sup>, E. R. Amante<sup>2</sup>

1. Departamento de Engenharia Química e Engenharia de Alimentos, Universidade Federal de Santa Catarina – UFSC, Florianópolis, Santa Catarina, Brasil.

2. Departamento de Ciência e Tecnologia de Alimentos, Universidade Federal de Santa Catarina – UFSC, Florianópolis, Santa Catarina, Brasil, [eamante@cca.ufsc.br](mailto:eamante@cca.ufsc.br)

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### Abstract

Chicken egg is very used in food industries, due to its technological properties. The industrialization produces an expressive quantity of shells, being yet considered as waste, especially destined to agriculture. Egg shell has a rich composition in minerals that can be the basis to several industries. Beside this advantage, it is not valued. This work have the objective of joint information's on technological potentialities of minerals and protein membrane of the chicken egg shells, that until this time are non appropriately used; as well analyze the economical viability of implantation of industries enable of this residues processing, increasing its value and giving some idea of the environmental impact generated from this suggested process.

*Keywords: Chicken eggs, calcium carbonate, protein hydrolyzed, protein hydrolyzed, wastes valorization.*

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