

II INTERNATIONAL SYMPOSIUM ON SCIENCE AND BIOTECHNOLOGY ENTREPRENEURSHIP AND INNOVATION

REUSE OF BYPRODUCTS OF INDUSTRIAL PROCESSES IN NEW PROCESSES

Tiago Borga

Universidade Alto Vale do Rio do Peixe – UNIARP, Caçador, Brasil

Marcio Alexandre Kreusch

Universidade Alto Vale do Rio do Peixe – UNIARP, Caçador, Brasil

Abstract

The issue of industrial waste has caused environmental and financial impact for public and private entities. Among so many negative impacts, the growth of a profitable business with the adequate management of these materials is visible, which can generate employment and income for people. In view of this problem, the objective of the present project is to propose to the entrepreneurs the development of a work that will characterize the wastes generated by the industries through physical, chemical and mineralogical analyzes, as well as to quantify them. And after analysis propose the best way to use it as a raw material in other processes or to dispose of it properly. Materials from primary processes considered as by-products in these processes may be harnessed as raw material in new processes after their chemical characterization using X-ray Fluorescence Spectrometry analysis. Formulations can be developed with the integration of new materials in order to provide a new process and a new material meeting the current environmental legislation and a quality product following the norms established for it when dealing with something already existing in the market physically. The work will be coordinated together with the Post-Doctor Professor Vsévolod Mymrine - Federal University of Moscow, MGU and by the group of professors of UNIAP.

**Programa de Mestrado Acadêmico
em Ciência e Biotecnologia**

6 a 10 de novembro de 2017
Unesc Videira

II INTERNATIONAL SYMPOSIUM ON SCIENCE AND BIOTECHNOLOGY ENTREPRENEURSHIP AND INNOVATION

Keywords: Recycling. Chemical analysis. Solid Waste.

E-mails - ambiental@uniarp.edu.br; marcio.kreusch@uniarp.edu.br

6 a 10 de novembro de 2017

Unesc Videira

**Programa de Mestrado Acadêmico
em Ciência e Biotecnologia**