



Academicth

INTERNATIONAL WORKSHOP
ADVANCES IN CLEANER PRODUCTION

“CLEANER PRODUCTION TOWARDS A SUSTAINABLE TRANSITION”

Sustainability Practices in Educational Secondary Education Schools

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Abstract

This article aims to present initiatives to enhance the teaching-learning process in the development of a sustainable society through work reports made by Unisul in secondary schools, with water and solar energy topics. For the work development were developed two pedagogical practices: rainwater recovery and solar heating system with low cost materials. The results were evaluated, on the perspective of schools and students (teaching / learning) and in the case of schools, the advantages involved in saving water and electricity bills and greater environmental awareness among teachers, students and employees using the built systems during practice for high school students. From the high school teaching/learning process' point of view, students were unanimous in their assertion that the theoretical contents in practice, stimulates learning and that the developed themes (water and solar energy) awaken to awareness about the preservation of the planet.

Keywords: *Pedagogical practices; Secondary schools; Rainwater recovery; Solar heating system.*