

EDITORIAL

Dear readers, with great joy we release the first issue of volume 13 of our periodical , Environmental Engineering: Research and Technology.

In this issue, the first two papers study the use of castor bean caker and natural phosphate in order to improve the productivity of onion cultivars in organic agriculture at São Francisco Valley, in Petrolina-PE.

On the current and important issue of solid waste we present three works: the third analyzes its integrated management based on Law 12305/2010; the seventh evaluates how solid waste management is performed at CEASA in the city of Pernambuco, which is the largest supply and logistics center in the North / Northeast of Brazil; and the thirteenth studies the potential for reuse of Palmas-TO pruning waste by quantifying and analyzing the technical-economic feasibility for the creation of briquettes and composting plants to treat this type of waste more adequately in the municipality.

Three articles address the water theme in different ways: the fourth one evaluates physical-chemical and microbiological parameters of the water consumed at the Federal University of Tocantins, in Araguaína; the fifth one proposes a process of sedimentation and filtration followed by a column of granular activated carbon to remove cyanobacterias that can release toxins into water; and the twelfth one analyzes the water quality of the supply basin of Pinheiro Machado-RS, participative management and environmental education activities are also suggested.

We also present as reports: in the sixth article a comparative evaluation of the environmental impacts of steel structures and reinforced concrete structures, which consist in the structural materials most used in civil construction; and in the eighth article an analysis of the integrated environmental management system including case study in a pharmaceutical industry.

The ninth paper studies the treatment of wastewater containing liquid waste from swine by stabilization ponds aiming its agricultural reuse as biofertilizer; the eleventh study carried out a literature review on the mechanical densification and dewatering by press filter of the sludge from effluent treatment plants in order to propose this alternative treatment to the ETA-6 sludge in the city of Palmas-TO.

The tenth article presents a floristic and phytosociological survey in the village of Carumbé, in the municipality of Acorizal-MG, contributing to increase the knowledge of the tree community.

We thank all authors and contributors for this edition and wish you a great reading!

Profa. Ursula Luana Rochetto Doubek

Editorial Council