

EDITORIAL

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

In this edition we present three papers addressing Environmental Legislation in different ways: the first analyzes the environmental certification of the graphic sector of the state of Santa Catarina in order to measure the current situation, benefits, motivating factors and inhibitors of this process; the eleventh assesses the valuation used in the Environmental Impact Report of an iron ore mining company located in the municipality of Floresta do Araguaia-PA to obtain its environmental licenses; and the last and thirteenth paper (written in Spanish) presents methodologies and criteria on which a number of countries have been based to create odors legislation, especially to objectively determine the level of offensive odor.

Two papers report particular soil processes; in the second one a general review of the phenomena that govern the transport of contaminants in porous media is made and in the fifth one the floods are analyzed under the perspective of the permeability of the soil, also addressing the mitigation of impacts due to poor urban planning and the technical viability of asphalts and permeable pavements. The third work, which is also a report, deals with the main considerations and characteristics of bioremediation and phytoremediation processes for decontamination of soil and water.

Two studies were carried out in specific localities of Brazil: the fourth addresses the quantitative drought indexes from 1975 to 2010 for two important municipalities of the Brazilian semi-arid region: Juazeiro-BA and Petrolina-PE; and the sixth identifies the positive and negative environmental impacts of ETE-Brejo Comprido sewage treatment plant deactivation in Palmas-TO.

In the study of food crops development under different aspects we present: the seventh article that analyzes the growth of *Malpighia emarginata* seedlings in different substrates consisting of a mixture of soil, sand and bovine manure; the eighth that evaluates the effects of sewage sludge application on common bean fertilization; and the twelfth that studies the application of bauxite steel slag in the soil and its use in maize as a test plant.

The ninth and tenth articles present the theme Solid Waste: the ninth is an account that proposes a participative model of management for the rural settlement *Sítio* in the city of Palmas-TO; and the tenth uses geoprocessing techniques in order to select an adequate area to receive the implantation of a sanitary landfill in the municipality of Marmeleiro-PR.

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Great reading to all!

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Editorial Council