

# EDITORIAL

Dear readers, we release with great satisfaction this first issue of volume 12 of our periodical, Environmental Engineering: Research and Technology.

In this edition, three papers discuss the important issue of MSW – municipal solid waste, in different ways: the first article evaluates the environmental impact of a construction site and develops mitigating measures for them; the eighth article analyzes the applicability of legislations and public policies in the management of MSW in Cidade Ocidental, GO; and the fifteenth article describes an interesting program to train MSW collectors enabling them to create vitreous handcrafted products, promoting social inclusion and sustainability.

In the water subject, the second article presents an environmental diagnosis of the Gramado stream, located in Presidente Prudente, SP, which has suffered intense environmental impacts from different sources of pollution; and the sixth article studies the Micro-basin of Córrego Brejo Comprido, one of the main water courses that crosses the urban perimeter of the city of Palmas, TO. In the third article, authors verify the influence of the hydrodynamic behavior on the profile of the organic matter removal in the anaerobic stabilization lagoon of a sewage treatment plant in the city of Cacoal, RO.

We present two case studies: the fourth article reports the small rural agroindustry taking as an example the production of farm-manufactured “Minas Cheese” and the seventh article describes the environmental management in the Brazilian ports with focus in the Port of Santos, SP.

Two papers studied Brazilian semi-arid region: the fifth article evaluates trends in climate change from 1974 to 2011 in Arcoverde, PE; and the twelfth article explores the development potential of this region in the municipality of Monteiro, PB. Another two municipalities are study themes in this issue: the ninth article proposes an environmental zoning to guarantee the sustainability of the ecosystems present in Itaara, RS; and the eleventh article analyzes the sustainability of the municipality of Pedras de Fogo, PB, with emphasis on the activities of the sugar and alcohol industry. By the way, the thirteenth article also deals with the same sector, presenting a logistic panorama of the production of ethanol in the state of Tocantins.

The tenth article investigates the impacts of atmospheric emissions from a thermoelectric plant in the municipality of Três Lagoas, MS. Pollutant dispersion models are applied in areas close to the plant and contributions are observed against levels verified in analytical monitoring.

The fourteenth article examines environmental issues in the production process of a metalworking company in the granular jet sector, the aim is to make the process appropriate to the cleaner production methodology.

We thank all our collaborators and wish you a great reading!

*Profa. Ursula Luana Rochetto Doubek*

**Editorial Council**