



## **2021:**

Assessing the Impact of Climate Change on Transportation Infrastructure Using the Hydrologic-Footprint-Residence Metric

Climate change enhances deepwater warming of subtropical reservoirs: evidence from hydrodynamic modelling

CO<sub>2</sub>Emissions Forecasting in Multi-Source Power Generation Systems Using Dynamic Bayesian Network

A copula-based drought assessment framework considering global simulation models

A data-driven framework for identifying productivity zones and the impact of agricultural droughts in sugarcane using SPI and unsupervised learning

Enhancing the gas-liquid mass transfer during microbial electrosynthesis by the variation of CO<sub>2</sub> flow rate

Environmental kuznets curve and the pollution-halo/haven hypotheses: An investigation in brazilian municipalities

Future projections of water level and thermal regime changes of a multipurpose subtropical reservoir (Sao Paulo, Brazil)

Influence of reinforcement on wood tensile strength submitted to weathering

A new parallel and decomposition approach to solve the medium- and low-voltage planning of large-scale power distribution systems

Resilience of Urban Mobility Systems: Combining Urban Subsystems and Threats with a System Dynamics Approach

A review on wind power smoothing using high-power energy storage systems

Simulation of future climate scenarios and the impact on the water availability in southern Brazil

Sublinear evaluation of complex networks for extensive exploration of configurations for critical scenarios and decision making

Urban flood risk under global changes: a socio-hydrological and cellular automata approach in a Brazilian catchment

## **2020:**

Climate change, water-related disasters, flood control and rainfall forecasting: A case study of the são francisco river, brazil

Combining environmental quality assessment of bicycle infrastructures with vertical acceleration measurements

Discrete event simulation to aid decision-making and mitigation in solid waste management

Ecosystem service valuation method through grey water footprint in partially-monitored subtropical watersheds

Evaluation of the impacts of climate change on streamflow through hydrological simulation and under downscaling scenarios: case study in a watershed in southeastern Brazil

Export product diversification and CO2 emissions: Contextual evidences from developing and developed economies

Geocomputation applied to the transport problem in phreatic groundwater flow

Multi-year index-based insurance for adapting water utility companies to hydrological drought: Case study of a water supply system of the sao paulo metropolitan region, Brazil

Variability and trend of air temperature and rainfall at Ribeirão do Lobo hydrographic basin, Brazil

## **2019:**

Design and computational analysis of a closed non-planar wing aircraft coupled to a boundary layer ingestion propulsion system

Effect of parametric uncertainties on vibration mitigation of a rod with interconnected piezoelectric patches

Experimental evaluation of energy consumption in machine tools: a case study for a two-spindle turning center

Multi-criteria efficiency assessment of international biomass supply chain pathways using Data Envelopment Analysis

Stormwater volume reduction and water quality improvement by bioretention: Potentials and challenges for water security in a subtropical catchment

## **2018:**

Carbon-nitrogen removal in a structured-bed reactor (SBRRIA) treating sewage: Operating conditions and metabolic perspectives

Decentralized Low Impact Development (LID) Practices Addressing the Security of the Water-Energy-Food Nexus

The Effects of Climate Change on Low Impact Development (LID) Performance – A Case of Study in Sao Carlos, Brazil

Environmental aspects of oriented strand boards production. A Brazilian case study

Environmental assessment of existing and alternative options for management of municipal solid waste in Brazil

Environmental Life Cycle Assessment of industrial pine roundwood production in Brazilian forests

Identifying the missing link between climate change policies and sectoral/regional planning supported by Strategic Environmental Assessment in emergent economies: Lessons from Brazil

Renewable and sustainable energy efficiency: An analysis of Latin American countries

## **2017:**

Aging of a Fe-Mn-Al steel using plasma nitrocarburizing

CO2 emissions and logistics performance: a composite index proposal

Digested bioenergy byproduct with low concentration of nutrients increased greenhouse gas emissions from soil

Economic indicators of hydrologic drought insurance under water demand and climate change scenarios in a Brazilian context

A framework proposal for sustainability assessment of sugarcane in Brazil

High value added lipids produced by microorganisms: a potential use of sugarcane vinasse

Hydrological services in the Atlantic Forest, Brazil: An ecosystem-based adaptation using ecohydrological monitoring

Reduction in greenhouse gas emissions from vinasse through anaerobic digestion

Shallow aquifer response to climate change scenarios in a small catchment in the guarani aquifer outcrop zone

## **2016:**

Biogas upgrading from vinasse digesters: a comparison between an anoxic biotrickling filter and an algal-bacterial photobioreactor

Climate vulnerability and contrasting climate perceptions as an element for the development of community adaptation strategies: Case studies in Southern Brazil

Energy efficiency analysis of G7 and BRICS considering total-factor structure

Environmental indicators for sustainability: A strategic analysis for the sugarcane ethanol context in Brazil

Hydrologic Simulation for Water Balance Improvement in an Outcrop Area of the Guarani Aquifer System

Sensitivity analysis of the use of Life Cycle Impact Assessment methods: A case study on building materials

## **2015:**

Combined MFA and LCA approach to evaluate the metabolism of service polygons: A case study on a university campus

Environmental performance assessment of the melamine-urea-formaldehyde (MUF) resin manufacture: A case study in Brazil

Life cycle assessment of offset paper production in Brazil: Hotspots and cleaner production alternatives

Sustainable strategies analysis through Life Cycle Assessment: A case study in a furniture industry

## **2014:**

Anaerobic digestion of vinasse from sugarcane biorefineries in Brazil from energy, environmental, and economic perspectives: Profit or expense?

Assessment of the environmental contribution by changing the energy matrix of the brazilian pig iron and steel sector

Efficiency in Brazil's industrial sectors in terms of energy and sustainable development

Flood citizen observatory: A crowdsourcing-based approach for flood risk management in Brazil

Water budget comparison of global climate models and experimental data in Onça Creek Basin, Brazil

## **2013:**

Life cycle assessment of medium density particleboard (MDP) produced in Brazil

## **2012:**

Nitrogen and carbon removal from synthetic wastewater in a vertical structured-bed reactor under intermittent aeration