

2021:

Circular vs. linear economy of building materials: A case study for particleboards made of recycled wood and biopolymer vs. conventional particleboards

Circular technology roadmapping (TRM): Fostering sustainable material development

Creep behaviour of recycled poly(Ethylene) terephthalate non-woven geotextiles

Circular economy actions in business ecosystems driven by digital technologies

Circular economy and digital technologies: A review of the current research streams

Citizens' viewpoints on stormwater Beneficial Management Practices (BMPs) in Brazil

Co-digesting sugarcane vinasse and distilled glycerol to enhance bioenergy generation in biofuel-producing plants

Degradation of Polypropylene and Jute Fiber-Reinforced Composites Exposed to Natural and Accelerated Aging: Mechanical Properties and Wettability

Dynamics of environmental conservation: Evaluating the past for a sustainable future

Environmental protection liner in a biodegradable waste pond: A case study

High-temperature rheological properties of asphalt binders modified with recycled low-density polyethylene and crumb rubber

Microbial and functional characterization of an allochthonous consortium applied to hydrogen production from Citrus Peel Waste in batch reactor in optimized conditions

Nature-based solutions and real-time control: Challenges and opportunities

Particleboard produced with chromated copper arsenate- and borate-treated caixeta wood: a technical feasibility study

Pollution threat to water and soil quality by dumpsites and non-sanitary landfills in Brazil: A review

Recycling of industrial waste based on jute fiber-polypropylene: Manufacture of sustainable fiber-reinforced polymer composites and their characterization before and after accelerated aging

A review of pesticides sorption in biochar from maize, rice, and wheat residues: Current status and challenges for soil application

Socioeconomic and environmental impacts of water markets: A literature review

Sorption efficiency of potentially toxic elements onto low-cost materials: Peat and compost

Soy-based rejuvenated asphalt binders: Impact on rheological properties and chemical aging indices

Stormwater management for highly urbanized areas in the tropics: Life cycle assessment of low impact development practices

A systems representation of the Circular Economy: Transition scenarios in the electrical and electronic equipment (EEE) industry

2020:

Anti-spalling fibers for refractory castables: A potential application for recycling drinking straws

Characterization and recycling of the fine fraction of automotive shredder residue (ASR) for concrete paving blocks production

Circular economy indicators for organizations considering sustainability and business models: Plastic, textile and electro-electronic cases

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

An environmental and operational analysis of quality function deployment-based methods

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

Hdpe geomembranes for environmental protection: Two case studies

Increase in Pb and Cd Adsorption by the Application of Peat in a Tropical Soil

Innovative device to assay leachate production in non-sanitary landfills

Long-term geophysical monitoring of an abandoned dumpsite area in a Guarani Aquifer recharge zone

Pretreatment using *Opuntia cochenillifera* followed by household slow sand filters: technological alternatives for supplying isolated communities

Towards urban resilience through Sustainable Drainage Systems: A multi-objective optimisation problem

2019:

Behavior of hardened steel grinding using MQL under cold air and MQL CBN wheel cleaning

Bioconversion of Sugarcane Bagasse into Value-Added Products by Bioaugmentation of Endogenous Cellulolytic and Fermentative Communities

Characterization of flexible Poly(vinyl butyral)/wood flour composites

Cleaner Production practices, motivators and performance in the Brazilian industrial companies

Cross-country comparison on environmental impacts of particleboard production in Brazil and Spain

Enablers and barriers to environmental management development in higher education institutions: An analysis of sustainability reports of global reporting initiative

Geogrid installation damage caused by recycled construction and demolition waste

High-density particleboard made from agro-industrial waste and different adhesives

How are end-of-life strategies adopted in product-service systems? A systematic review of general cases and cases of medical devices industry

ISO 14001:2015 and ISO 9001:2015: Analyse the relationship between these management systems standards and corporate sustainability

Life Cycle Assessment of prospective MSW management based on integrated management planning in Campo Grande, Brazil

The management of solid urban waste as a sustainability strategy

Potentially toxic metal contamination and microbial community analysis in an abandoned Pb and Zn mining waste deposit

Thermoanalytical and dynamic mechanical analysis of commercial geomembranes used for fluid retention of leaching in sanitary landfills

Waste management in the Amazon and the conceptual innovation of sustainability

2018:

Agent-based simulation to evaluate and categorize industrial symbiosis indicators

Assessment of the use of organic composts derived from municipal solid waste for the adsorption of Pb, Zn and Cd

Assessing Sustainability Culture at the University of São Paulo – São Carlos

Biomass growth and its mobility in an AnSBBR treating landfill leachate

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

Cathode-Ray Tube panel glass replaces frit in transparent glazes for ceramic tiles

Eco-particleboard manufactured from chemically treated fibrous vascular tissue of acai (*Euterpe oleracea* Mart.) Fruit: A new alternative for the particleboard industry with its potential application in civil construction and furniture

Ecosystem Services in Life Cycle Assessment: A novel conceptual framework for soil

Effectiveness of solid waste policies in developing countries: A case study in Brazil

Electricity Consumption Assessment: Case Study of University of São Paulo Campus of São Carlos

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

Exploring gamification to support manufacturing education on industry 4.0 as an enabler for innovation and sustainability

Diversifying the technological strategies for recovering bioenergy from the two-phase anaerobic digestion of sugarcane vinasse: An integrated techno-economic and environmental approach

Geo-environmental site characterization in a sanitary landfill using Geo-electrical and geotechnical in situ techniques

A group decision model based on quality function deployment and hesitant fuzzy for selecting supply chain sustainability metrics

The industrial symbiosis in the product development: An approach through the DFIS

Inclusion of Sustainability in Higher Education Institutions: A Comparative Study of São Carlos School of Engineering – University of São Paulo and the Leuphana University of Magdeburg

Insertion of sustainability performance indicators in an industry 4.0 virtual learning environment

Instrument for evaluating IMS and sustainable performance

Landfill siting based on optimisation, multiple decision analysis, and geographic information system analyses

Life Cycle Assessment in automotive sector: A case study for engine valves towards cleaner production

Manufacturing in the fourth industrial revolution: A positive prospect in Sustainable Manufacturing

Optimization semi-rigid connections in frame models: Experimental tests of connections with aluminum alloy profiles in Glulam Lyptus®

Physical performance of particleboards using castor oil-based adhesive

Planning by the rules: A fair chance for the environment in a land-use conflict area

Seasonal characterization of sugarcane vinasse: Assessing environmental impacts from fertirrigation and the bioenergy recovery potential through biodigestion

Systematic review of the literature on corporate sustainability performance measurement: A discussion of contributions and gaps

Systems analysis framework for selecting sustainability assessment models: A proposal to support the sugarcane ethanol case in the state of São Paulo

Solid waste management index for Brazilian Higher Education Institutions

Theoretical contribution of industrial ecology to circular economy

Thermal response to cold in buildings with Green covers for tropical climate. Green facades and green roofs

The University of São Paulo on the 2017's GreenMetric Ranking

Wood-based composite made of wood waste and epoxy based ink-waste as adhesive: A cleaner production alternative

2017:

Ammonium removal from landfill leachate by Clinoptilolite adsorption followed by bioregeneration

Characterization of thermoelectric generator for energy harvesting

A Circular Economy Toolkit as an Alternative to Improve the Application of PSS Methodologies

A framework proposal for sustainability assessment of sugarcane in Brazil

From Linear to Circular Economy: PSS Conducting the Transition

Furan-modified natural rubber: A substrate for its reversible crosslinking and for clicking it onto nanocellulose

An instrument for the assessment of management systems integration

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

How can Cleaner Production practices contribute to meet ISO 14001 requirements? Critical analysis from a survey with industrial companies

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

Productive and environmental performance indicators analysis by a combined LCA hybrid model and real-time manufacturing process monitoring: A grinding unit process application

Support of knowledge management in Eco-innovation practices

Trends in publications on the circular economy

WO3: TiO₂ particle characterization obtained by high energy milling for application in photocatalysis

2016:

Analysis of the relationship between management system standards (ISO 9001, ISO 14001, NBR 16001 and OHSAS 18001) and corporate sustainability

Application of induced polarization and resistivity to the environmental investigation of an old waste disposal area

Classification of wooden housing building systems

Environmental Management System ISO 14001 factors for promoting the adoption of Cleaner Production practices

Guidelines for the integration of EMS based in ISO 14001 with Cleaner Production

Industrial symbiosis indicators to manage eco-industrial parks as dynamic systems

Linking Knowledge Creation and Environmental Education

Panel of Strand Lumber composite of sugarcane bagasse and plywood

A procedure to validate industrial symbiosis indicators combining conceptual and empirical validation methods

Regionalization of land use impact models for life cycle assessment: Recommendations for their use on the global scale and their applicability to Brazil

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

Thermal insulation particleboards made with wastes from wood and tire rubber

2015:

Application of Life Cycle Assessment (LCA) and Design of Experiments (DOE) to the monitoring and control of a grinding process

Characterization and availability of toxic metals in solid mine tailing: Ribeira valley (Brazil)

The "chemical oxygen demand / total volatile acids" ratio as an anaerobic treatability indicator for landfill leachates

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

Environmental management and business strategy in small and medium sized companies: A comparative case study

Geological and geotechnical characterization of the basal soil portion at a former mining waste disposal

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

Life Cycle Impact Assessment: A review of the main methods

Monolayers particleboards manufactured with wood waste and green coconut fiber

Recycling Tires? Reversible Crosslinking of Poly(butadiene)

Strategic Environmental Assessment in higher education: Portuguese and Brazilian cases

Sustainability assessment and energy future: Opportunities for Brazilian sugarcane ethanol planning

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

"Waste" as the Common "Gene" Connecting Cleaner Production and Lean Manufacturing: A Proposition of a Hybrid Definition

2014:

Dynamic system for life cycle inventory and impact assessment of manufacturing processes

First-order kinetics of landfill leachate treatment in a pilot-scale anaerobic sequence batch biofilm reactor

A FMEA-based approach to prioritize waste reduction in lean implementation

Knowledge management in environmental education: Case studies in environmental education programs in Brazilian universities

Life cycle assessment of the sugarcane bagasse electricity generation in Brazil

Microbial population in an aerated thermophilic reactor that treats recycled cardboard plant wastewater

Particleboards using wastes from CCA-treated Pinus sp. and resin from biomass

Recycling of electric arc furnace (EAF) dust for use in steel making process

Study on the emergence and expansion of smart grids in divergent cities

Utilization of Life Cycle Assessment methodology to compare two strategies for recovery of copper from printed circuit board scrap

Do wood-based panels made with agro-industrial residues provide environmentally benign alternatives? An LCA case study of sugarcane bagasse addition to particle board manufacturing

2013:

Anaerobic fixed-bed reactors for treatment of synthetic wastewater and estuarine-like water containing pentachlorophenol

Dynamic mathematical models for biodegradation of formaldehyde by *Ralstonia eutropha* in a batch bioreactor

Eco reach essencial Johnson & Johnson® toothbrush: An LCA study case application to analyze different materials in handle design

Ethanol addition as a strategy for start-up and acclimation of an AnSBBR for the treatment of landfill leachate

A framework for assessing social sustainability in supply chains

Green teams: Understanding their roles in the environmental management of companies located in Brazil

The influence of life cycle assessment and eco-innovation in ecodesign: A review

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

Life cycle assessment of urea formaldehyde resin: Comparison by CML (2001), EDIP (1997) and USEtox (2008) methods for toxicological impact categories

Microbial diversity of hydrogen-producing bacteria in batch reactors fed with cellulose using leachate as inoculum

Quality tools applied to Cleaner Production programs: A first approach toward a new methodology

Resistivity and IP response from a waste disposal site installed at a depression area originated from erosion processes

Sugarcane bagasse and castor oil polyurethane adhesive-based particulate composite

Sustainability assessment of sugarcane-ethanol production in Brazil: A case study of a sugarcane mill in São Paulo state

Towards a design for ecological management and product sustainability – European and Brazilian approaches

2012:

Biological removal of nitrogen compounds from wastewaters: Conventional and non-conventional processes

Case study: A 3D resistivity and induced polarization imaging from downstream a waste disposal site in Brazil

E-waste in the Brazilian context

Environmental management in Brazil: Is it a completely competitive priority?

Knowledge management in environmental education : A case study in the environmental education program at the university of são paulo , Brazil

LCA application: The case of the sugar cane bagasse electricity generation in Brazil

Prototypical implementation of a remanufacturing oriented grinding machine