

2021:

Adsorption of algal organic matter on activated carbons from alternative sources: Influence of physico-chemical parameters

Anaerobic digestion of hydrothermal liquefaction wastewater from spent coffee grounds

Anaerobic structured-bed reactor for azo dye decolorization in the presence of sulfate ions

Benchmarking as a management tool to reduce non-revenue water

Blue and grey urban water footprints through citizens' perception and time series analysis of Brazilian dynamics

Chironomid pupal exuviae communities support the "field of dreams" hypothesis after the riparian vegetation recovery in headwater urban streams

Chlorine and peracetic acid in decentralized wastewater treatment: Disinfection, oxidation and odor control

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

A computational tool for hydrosedimentological and statistical calculations

Conceptualising global water challenges: A transdisciplinary approach for understanding different discourses in sustainable development

Continuous Anaerobic Treatment of the Aqueous Phase of Hydrothermal Liquefaction from Spirulina Using a Horizontal-Flow Anaerobic Immobilized Biomass (HAIB) Reactor

Detection and alkaline inactivation of *Cryptosporidium* spp. oocysts and *Giardia* spp. cysts in drinking-water treatment sludge

Detection of *Giardia* and *Cryptosporidium* in environmental matrices with immunomagnetic separation: two or three acid dissociations

Different Configurations of a Bioretention System Focused on Stormwater Harvesting in Brazil

Ecotoxicity and Antimicrobial Inhibition Assessment of Effluent from an Anaerobic Bioreactor Applied to the Removal of Sulfamethoxazole and Ciprofloxacin Antibiotics from Domestic Sewage

Effect of Organic Loading Rate on the Microbial Community in Anaerobic Chambered Reactor Processing Ethanol Distillery Vinasse

Effects of pyrimethanil fungicide on chironomidae community structure

Environmental fragility analysis in reservoir drainage basin land use planning: A Brazilian basin case study

Evaluating low impact development practices potentials for increasing flood resilience and stormwater reuse through lab-controlled bioretention systems

Evaluating the capacity of small farmers to adopt aquaponics systems: Empirical evidence from Brazil

Exploring Potentials and Constraints of H₂O₂ Water Disinfection for Household Settings

Ferric sulphate flocculation as a concentration method for giardia and cryptosporidium in filter backwash water

Filter media depth and its effect on the efficiency of Household Slow Sand Filter in continuous flow

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

Giardia spp. cysts and Cryptosporidium spp. oocysts in drinking water treatment residues: comparison of recovery methods for quantity assessment

Hacking biofilm developed in a structured-bed reactor (SBRRIA) with integrated processes of nitrogen and organic matter removal

Hydrogeochemical characterization of groundwater for public supply in the northeastern portion of the guarani aquifer system

Household slow sand filter efficiency with schmutzdecke evaluation by microsensors

Household water purification system comprising cartridge filtration, UVC disinfection and chlorination to treat turbid raw water

Impact of 2,4-D and fipronil on the tropical midge *Chironomus sancticaroli* (Diptera: Chironomidae)

Implications of COD analysis use in the peracetic acid-based wastewater treatment

Increasing salinity concentrations determine the long-term participation of methanogenesis and sulfidogenesis in the biodigestion of sulfate-rich wastewater

Influence of cosubstrate and hydraulic retention time on the removal of drugs and hygiene products in sanitary sewage in an anaerobic Expanded Granular Sludge Bed reactor

Influence of environmental factors on occurrence of cyanobacteria and abundance of saxitoxin-producing cyanobacteria in a subtropical drinking water reservoir in Brazil

Influence of metabolic cosubstrates on methanogenic potential and degradation of triclosan and propranolol in sanitary sewage

Integrated empirical models to assess nutrient concentration in water resources: case study of a small basin in southeastern Brazil

Limnology and water quality in La Plata basin (South America) – Spatial patterns and major stressors

Metataxonomic characterization of bacterial and archaeal community involved in hydrogen and methane production from citrus peel waste (*Citrus sinensis* L. Osbeck) in batch reactors

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

A novel multistage risk management applied to water-related disaster using diversity of measures: A theoretical approach

Performance of EGSB reactor using natural zeolite as support for treatment of synthetic swine wastewater

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

Post-treatment of Anaerobically Digested Hydrothermal Liquefaction Wastewater Using UV Photodegradation

A predictive model for N₂O production in anammox-granular sludge reactors: Combined effects of nitrite/ammonium ratio and organic matter concentration

Reactor start-up strategy as key for high and stable hydrogen production from cheese whey thermophilic dark fermentation

Removal of *Giardia* spp. cysts and *Cryptosporidium* spp. oocysts from anaerobic effluent by dissolved air flotation

Riparian Land Use and Hydrological Connectivity Influence Nutrient Retention in Tropical Rivers Receiving Wastewater Treatment Plant Discharge

A satellite-based investigation into the algae bloom variability in large water supply urban reservoirs during COVID-19 lockdown

Sensitivity and identifiability analyses of parameters for water quality modeling of subtropical reservoirs

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

Socioeconomic and environmental impacts of water markets: A literature review

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

Spatial and seasonal assessment of water quality in the lobo stream river basin, Brazil using multivariate statistical techniques

Spatial assessment of overland flow, pollutant concentration, and first flush using a 2-D non-point source pollution and hydrological model for urban catchments

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

Tetrabromobisphenol A (TBBPA) anaerobic biodegradation occurs during acidogenesis

Two-stage partial nitrification-Anammox process for nitrogen removal from slaughterhouse wastewater: Evaluation of the nitrogen loading rate and microbial community analysis

Unveiling water security in Brazil: current challenges and future perspectives

Using Compounds Derived from the Glycerol Fermentation as a Carbon Source for Denitrification and Biological Phosphorus Removal

USP's environmental policy in the SDGs approach

Visibility Graph Analysis of Particle Size Distribution During Flocculation for Water Treatment

Water loss control practices in developing countries: A case study of a Brazilian region

What drives Tetrabromobisphenol A degradation in biotreatment systems?

2020:

4-Nonylphenol degradation changes microbial community of scale-up Anaerobic Fluidized Bed Reactor

Acidogenesis is a key step in the anaerobic biotransformation of organic micropollutants

Anaerobic digestion of aqueous phase from hydrothermal liquefaction of Spirulina using biostimulated sludge

Anaerobic reactor applied to laundry wastewater treatment: Unveiling the microbial community by gene and genome-centric approaches

Analysis of water quality and trophic state of tributaries of the lobo reservoir, Itirapina, Sao Paulo, Brazil

Anoxic Microbial Community Robustness Under Variation of Hydraulic Retention Time and Availability of Endogenous Electron Donors

Assessment of depressional wetland degradation, spatial distribution, and geological aspects in southern brazil

Bioconversion of pretreated sugarcane vinasse into hydrogen: new perspectives to solve one of the greatest issues of the sugarcane biorefinery

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

Coagulation and Microfiltration Application for Sugarcane Vinasse Clarification

Controlling methane and hydrogen production from cheese whey in an EGSB reactor by changing the HRT

Drinking water treatment by multistage filtration on a household scale: Efficiency and challenges

Dynamics and response of microbial diversity to nutritional conditions in denitrifying bioreactor for linear alkylbenzene sulfonate removal

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

Evaluating a parsimonious watershed model versus SWAT to estimate streamflow, soil loss and river contamination in two case studies in Tietê river basin, São Paulo, Brazil

Evaluation of zeolite as a potential reactive medium in a permeable reactive barrier (PRB): Batch and column studies

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

Filter Backwash Water and Floated Residue Containing Pathogenic Protozoa: Detection Method and Treatment Alternatives

Geocomputation applied to the transport problem in phreatic groundwater flow

Geotextile tube dewatering performance assessment: An experimental study of sludge dewatering generated at a water treatment plant

Household slow sand filters with and without water level control: continuous and intermittent flow efficiencies

Household slow sand filters in intermittent and continuous flows to treat water containing low mineral ion concentrations and Bisphenol A

Household slow sand filter to treat groundwater with microbiological risks in rural communities

Household slow sand filters in continuous and intermittent flows and their efficiency in microorganism's removal from river water

Hydrologic performance assessment of regulated and alternative strategies for flood mitigation: a case study in São Paulo, Brazil

Improving flood forecasting using an input correction method in urban models in poorly gauged areas

Improving the hydrogen production from coffee waste through hydrothermal pretreatment, co-digestion and microbial consortium bioaugmentation

Influence of organic loading rate on ciprofloxacin and sulfamethoxazole biodegradation in anaerobic fixed bed biofilm reactors

The influence of upflow velocity and hydraulic retention time changes on taxonomic and functional characterization in Fluidized Bed Reactor treating commercial laundry wastewater in co-digestion with domestic sewage

Intermittent aeration strategy for azo dye biodegradation: A suitable alternative to conventional biological treatments?

Life-History Traits Response to Effects of Fish Predation (Kairomones), Fipronil and 2,4-D on Neotropical Cladoceran *Ceriodaphnia silvestrii*

Limonene quantification by gas chromatography with mass spectrometry (gc-ms) and its effects on hydrogen and volatile fatty acids production in anaerobic reactors

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

Methanogenic potential of diclofenac and ibuprofen in sanitary sewage using metabolic cosubstrates

A method for chlorophyll-a and suspended solids prediction through remote sensing and machine learning

Microalgae harvesting from wastewater by pH modulation and flotation: Assessing and optimizing operational parameters

Microalgae production coupled with simulated blackwater treatment

Modeling anaerobic digestion metabolic pathways for antibiotic-contaminated wastewater treatment

Modelling sugarcane vinasse processing in an acidogenic reactor to produce hydrogen with an ADM1-based model

Monitoring inequality in water access: Challenges for the 2030 Agenda for Sustainable Development

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

Nutrient and pathogen removal from anaerobically treated black water by microalgae

Optimization of key factors affecting hydrogen production from coffee waste using factorial design and metagenomic analysis of the microbial community

Optimization of microalgae harvesting by sedimentation induced by high pH

Portfolio management of sanitation projects in the pcj basin committees: Multicriteria method for hierarchization

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

A review: organic matter and ammonia removal by biological activated carbon filtration for water and wastewater treatment

Sulfidogenesis establishment under increasing metal and nutrient concentrations: An effective approach for biotreating sulfate-rich wastewaters using an innovative structured-bed reactor (AnSTBR)

Tandem anaerobic-aerobic degradation of ranitidine, diclofenac, and simvastatin in domestic sewage

Urethane modified hydrophobic compact wood pulp paper for oil spill cleanup: A preliminary study

Water footprint analysis of temporary crops produced in São Carlos (SP), Brazil

2019:

An analytical review of the efficiency of water and sanitation utilities in developing countries

Aplicação da análise de risco ecológico (ARE) para avaliação de impactos em ecossistemas aquáticos naturais

Aquatic insects as bioindicators of heavy metals in sediments in cerrado streams

Black water treatment by an upflow anaerobic sludge blanket (UASB) reactor: A pilot study

Bioconversion of crude glycerol from waste cooking oils into hydrogen by sub-tropical mixed and pure cultures

Biohydrogen production from dairy industry wastewater in an anaerobic fluidized-bed reactor

Bioretention performance under different rainfall regimes in subtropical conditions: A case study in São Carlos, Brazil

Characterizing phenol-removing consortia under methanogenic and sulfate-reducing conditions: potential metabolic pathways

Coagulation and dissolved air flotation as a harvesting method for microalgae cultivated in wastewater

Coagulation, flocculation, dissolved air flotation and filtration in the removal of *Giardia* spp. and *Cryptosporidium* spp. from water supply

Comparative metatranscriptomic analysis of anaerobic digesters treating anionic surfactant contaminated wastewater

Defining environmental conservation levels considering anthropic activity in the Uberaba River Basin protected area

The effect of cations (Na^+ , Mg^{2+} , and Ca^{2+}) on the activity and structure of nitrifying and denitrifying bacterial communities

Effect of operating conditions on N_2O production in an anammox sequencing batch reactor containing granular sludge

Effects of the Organic Loading Rate on Polyhydroxyalkanoate Production from Sugarcane Stillage by Mixed Microbial Cultures

Effects of recirculation in anaerobic baffled reactors

Establishing simultaneous nitrification and denitrification under continuous aeration for the treatment of multi-electrolytes saline wastewater

Evaluation of anionic surfactant removal by anaerobic degradation of commercial laundry wastewater and domestic sewage

Evaluation of the laser diffraction method for the measurement of suspended sediment concentration in Mogi-Guaçu reservoir (São Paulo, Brazil)

Evaluation of sulfamethazine removal kinetics using fixed structured bed bioreactor

Feasibility of anaerobic packed and structured-bed reactors for sulfamethoxazole and ciprofloxacin removal from domestic sewage

Fiber filter built with polypropylene fibers applied to water clarification

Flood modelling using synthesised citizen science urban streamflow observations

Genome-wide sequencing and metabolic annotation of *Pythium irregulare* CBS 494.86: Understanding Eicosapentaenoic acid production

Hydrogen bioproduction with anaerobic bacteria consortium from brewery wastewater

Identification of Anionic and Nonionic Surfactant and Recalcitrants Compounds in Commercial Laundry Wastewater by GC-MS Analysis After Anaerobic Fluidized Bed Reactor Treatment

Influence of hydraulic retention time on hydrogen production by treating cheese whey wastewater in anaerobic fluidized bed bioreactor – An approach for developing countries

Interference of model wastewater components with flocculation of *Chlorella sorokiniana* induced by calcium phosphate precipitates

Laundry wastewater and domestic sewage pilot-scale anaerobic treatment: Microbial community resilience regarding sulfide production

A membrane aerated biofilm reactor for sulfide control from anaerobically treated wastewater

Methane-oxidizing archaea, aerobic methanotrophs and nitrifiers coexist with methane as the sole carbon source

Microalgae cultivation for municipal and piggery wastewater treatment in Brazil

Microcystis aeruginosa and microcystin-LR removal by household slow sand filters operating in continuous and intermittent flows

Mortality, Spatial Avoidance and Swimming Behavior of Bullfrog Tadpoles (*Lithobates catesbeianus*) Exposed to the Herbicide Diuron

Obtaining and Characterization of Mesophilic Bacterial Consortia from Tropical Sludges Applied on Biohydrogen Production

Payment for environmental services: Guidelines for identifying priority areas focusing on biodiversity

Performance of a small-scale wastewater treatment plant for removal of pathogenic protozoa (oo)cysts and indicator microorganisms

Phosphorus and thermotolerant coliforms' loads in brazilian watersheds with limited data: Considerations on the integrated analysis of water quality and quantity

Rapid and easy quantification of elemental sulphur in aqueous samples from biological reactors: the turbidimetric method revisited

Removal of algae in a submerge biofilter system

Removal kinetics of sulfamethazine and its transformation products formed during treatment using a horizontal flow-anaerobic immobilized biomass bioreactor

Sisal fiber as an alternative to the construction of flexible fiber filters applied to water treatment

Solute transport performance analysis of equivalent apertures in a single undisturbed basaltic fracture

Spatial and temporal assessment of sanitary aspects of public water supply reservoirs in SP, Brazil, with emphasis on cyanobacteria and cyanotoxins

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

2018:

Aerobic methanotrophs grew under anoxic conditions and supported a diverse heterotrophic bacterial community

Anaerobic co-digestion of commercial laundry wastewater and domestic sewage in a pilot-scale EGSB reactor: The influence of surfactant concentration on microbial diversity

Aquifer Responses to Rainfall through Spectral and Correlation Analysis

Assessment of the potentiometric drawdown in the guarani aquifer system in Bauru/SP by a model of analytical elements

Bioconversion of cellulose into hydrogen, biogas and organic acids using microbial consortium from a pulp and paper mill wastewater treatment plant

Characterization and evaluation of factors influencing microcystin-LR removal by granular activated carbon produced from different raw material

Determining the distribution of granule diameter from biological sludge

Development of a mathematical model for the anaerobic digestion of antibiotic-contaminated wastewater

Dynamics of the nitrification and sulfide-driven autotrophic denitrification processes in a single reactor using oxidation–reduction potential as an indicator of the process effectiveness

Economics of anaerobic digestion for processing sugarcane vinasse: Applying sensitivity analysis to increase process profitability in diversified biogas applications

Effects of intermittent aeration periods on a structured-bed reactor continuously fed on the post-treatment of sewage anaerobic effluent

Factors related to water quality and thresholds for microcystin concentrations in subtropical Brazilian reservoirs

Fate of Enrofloxacin in Lake Sediment: Biodegradation, Transformation Product Identification, and Ecotoxicological Implications

Geological and geotechnical land zoning for potential Hortonian overland flow in a basin in southern Brazil

Horizontal-flow anaerobic immobilized biomass (HAIB) reactor for organic matter and sulfate removal from paper recycling plant wastewater with simultaneous conversion of sulfide into elemental sulfur

Hydrodynamic evaluation of retention time in non-steady state reactors using the N-CSTR model and numerical simulation

Mapping groundwater pollution vulnerability with application in a basin in southern Brazil

Metabolic routes involved in the removal of linear alkylbenzene sulfonate (LAS) employing linear alcohol ethoxylated and ethanol as co-substrates in enlarged scale fluidized bed reactor

Modeling freshwater quality scenarios with ecosystem-based adaptation in the headwaters of the Cantareira system, Brazil

Nitrogen removal by simultaneous partial nitrification, anammox and denitrification (SNAD) in a structured-bed reactor treating animal feed processing wastewater: Inhibitory effects and bacterial community

Nutrient uptake in a simplified stream channel: Experimental manipulation of hydraulic residence time and transient storage

Oligochaeta (Annelida: Clitellata) in the juruena river, MT, Brazil: Species indicators of substrate types

Optimization of the performance of a microbial fuel cell using the ratio electrode-surface area / anode-compartment volume

Performance and stability of an expanded granular sludge bed reactor modified with zeolite addition subjected to step increases of organic loading rate (OLR) and to organic shock load (OSL)

Performance comparison of three methods for detection of *Giardia* spp. cysts and *Cryptosporidium* spp. oocysts in drinking-water treatment sludge

Performance improvement of a thermophilic sulfate-reducing bioreactor under acidogenic conditions: Effects of diversified operating strategies

Prediction of total nitrogen removal in a structured bed reactor for secondary and tertiary treatment of sanitary sewage

Proof of concept and improvement of a triple chamber biosystem coupling anaerobic digestion, nitrification and mixotrophic endogenous denitrification for organic matter, nitrogen and sulfide removal from domestic sewage

Proposal of a method to determine the correlation between total suspended solids and dissolved organic matter in water bodies from spectral imaging and artificial neural networks

Quantification and analysis of the viability of (oo)cysts of pathogenic protozoa in sewage sludge

Screening of trace metal supplementation for black water anaerobic digestion

Two- vs. single-stage anaerobic reactors: Evaluation of effluent quality and energy production potential using sucrose-based wastewater

Variation of stream metabolism along a tropical environmental gradient

Wastewater post-treatment for simultaneous ammonium removal and elemental sulfur recovery using a novel horizontal mixed aerobic-anoxic fixed-bed reactor configuration

2017:

An alternative method of spatial autocorrelation for chlorophyll detection in water bodies using remote sensing

A comparison between coagulation and ultrafiltration processes for biodiesel wastewater treatment

Bioremoval of Surfactant from Laundry Wastewater in Optimized Condition by Anoxic Reactors

Continuous thermophilic hydrogen production from cheese whey powder solution in an anaerobic fluidized bed reactor: Effect of hydraulic retention time and initial substrate concentration

The contribution of volunteer-based monitoring data to the assessment of harmful phytoplankton blooms in Brazilian urban streams

Data of added-value lipid production, Arachidonic acid, among other lipids by *Mortierella elongata*, using low cost simulated wastewater

Decision sciences in the management of water resources: Multi-criteria methods and game theory applied to the field of sanitation

Design study of an AnSBBR for hydrogen production by co-digestion of whey with glycerin: Interaction effects of organic load, cycle time and feed strategy

Designing full-scale biodigestion plants for the treatment of vinasse in sugarcane biorefineries: How phase separation and alkalization impact biogas and electricity production costs?

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

On the Effects of Ferricyanide as Cathodic Mediator on the Performance of Microbial Fuel Cells

Effects of hydraulic retention time, co-substrate and nitrogen source on laundry wastewater anionic surfactant degradation in fluidized bed reactors

FE analysis of RC pipes under three-edge-bearing test: Pocket and diameter influence

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

Hydrogen bioproduction with *Enterobacter* sp. isolated from brewery wastewater

Hydropower reservoir sediment and water quality assessment

Influence of carbon electrode material on energy recovery from winery wastewater using a dual-chamber microbial fuel cell

Influence of COD/[SO₄²⁻] ratio and Na⁺ concentration on organic matter and sulfate removal in UASB reactor

The Influence of Stirring Speed, Temperature and Initial Nitrogen Concentration on Specific Anammox Activity

J2000/jams model evaluation for brazilian watersheds hydrological simulation

Learning from the operation, pathology and maintenance of a bioretention system to optimize urban drainage practices

Metagenomic analysis of the microbiome in three different bioreactor configurations applied to commercial laundry wastewater treatment

Microbial diversity of a full-scale UASB reactor applied to poultry slaughterhouse wastewater treatment: integration of 16S rRNA gene amplicon and shotgun metagenomic sequencing

Media arrangement impacts cell growth in anaerobic fixed-bed reactors treating sugarcane vinasse: Structured vs. randomic biomass immobilization

Metal fractionation in sludge from sewage UASB treatment

New operational mode of an electrochemical reactor and its application to the degradation of levofloxacin

Occurrence and removal of *Giardia* spp. cysts and *Cryptosporidium* spp. oocysts from a municipal wastewater treatment plant in Brazil

Photocatalytic degradation of rhodamine b dye through zinc oxide obtained by high energy milling

Prediction of the longitudinal dispersion coefficient for small watercourses

Proposal of a hydric index to support industrial site location decision-making applying a fuzzy multi-attribute methodology

Removal of the veterinary antimicrobial sulfamethazine in a horizontal-flow anaerobic immobilized biomass (HAIB) reactor subjected to step changes in the applied organic loading rate

Robustness and Microbial Diversity of a Fluidized Bed Reactor Employed for the Removal and Degradation of an Anionic Surfactant from Laundry Wastewater

Sampling Design for Leak Detection in Water Distribution Networks

Simultaneous determination of anionic and nonionic surfactants in commercial laundry wastewater and anaerobic fluidized bed reactor effluent by online column-switching liquid chromatography/tandem mass spectrometry

Spatial distribution of areas susceptible to sheet erosion in computing environment

Thermophilic two-phase anaerobic digestion using an innovative fixed-bed reactor for enhanced organic matter removal and bioenergy recovery from sugarcane vinasse

Uptake rates of ammonium and nitrate by phytoplankton communities in two eutrophic tropical reservoirs

Water supply and sewage services regulation indicators in poverty areas: Structure and application process in Cubatão-Sp, Brazil

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

2016:

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

Anaerobic Biological Treatment of Vinasse for Environmental Compliance and Methane Production

Bacteriocins of lactic acid bacteria as a hindering factor for biohydrogen production from cassava flour wastewater in a continuous multiple tube reactor

Characterization and antimicrobial activity of lactic acid bacteria from fermentative bioreactors during hydrogen production using cassava processing wastewater

Co-digestion of Whey with Glycerin in an AnSBBR for Biomethane Production

Combined treatment of vinasse by an upflow anaerobic filter-reactor and ozonation process

Coupling land-use and water resources planning: Hydric availability as a locational criterion

Diversity of anaerobic bacteria in sediments from a subtropical reservoir

Effect of 2-bromoethanesulfonate on anaerobic consortium to enhance hydrogen production utilizing sugarcane bagasse

Energy recovery from winery wastewater using a dual chamber microbial fuel cell

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

Evaluation of an innovative anaerobic bioreactor with fixed-structured bed (ABFSB) for brewery wastewater treatment

Evaluation of anionic surfactant removal in anaerobic reactor with Fe(III) supplementation

Evaluation of the effects of varying the water velocity at the entrance of the contact zone on the performance of a dissolved air flotation (DAF) unit using the image analysis method

Field investigations of the 2013–14 drought through quali-quantitative freshwater monitoring at the headwaters of the Cantareira System, Brazil

Hydrodynamic study of a horizontal-flow anaerobic immobilized biomass reactor: Radial porosity and velocity distribution of wastewater flow

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

Impact of runoff water from an experimental agricultural field applied with Vertimec® 18EC (abamectin) on the survival, growth and gill morphology of zebrafish juveniles

Inclusive governance: New concept of water supply and sanitation services in social vulnerability areas

The influence of the contact zone configuration on the performance of a DAF pilot plant applied to water treatment

Influence of sludge age on the performance of MFC treating winery wastewater

The involvement of community leaders in healthcare, the environment and sanitation in áreas of social vulnerability

Importance of the combined effects of dissolved oxygen and pH on optimization of nitrogen removal in anammox-enriched granular sludge

Isolation and characterization of a microorganism involved in sulfide-oxidizing autotrophic denitrification in a vertical fixed-bed reactor

Kinetics of methane production and biodegradation of linear alkylbenzene sulfonate from laundry wastewater

Long-term operation of anaerobic immobilized biomass reactor treating organic wastewater containing sulfate

Land use influence on raw surface water quality and treatment costs for drinking supply in São Paulo State (Brazil)

Micro and macroscale drivers of nutrient concentrations in urban streams in South, Central and North America

Microbial community in a pilot-scale bioreactor promoting anaerobic digestion and sulfur-driven denitrification for domestic sewage treatment

A new device to select carriers for biomass immobilization and application in an aerobic/anaerobic fixed-bed sequencing batch biofilm reactor for nitrogen removal

A novel anaerobic down-flow structured-bed reactor for long-term stable H₂ energy production from wastewater

A novel device for grasping assessment during functional tasks: Preliminary results

Performance of evaporation estimation methods compared with standard 20 m² tank

Poultry slaughterhouse wastewater treatment plant for high quality effluent

Removal of giardia spp. and cryptosporidium spp. From water supply with high turbidity: Analytical challenges and perspectives

Sulfamethoxazole and ciprofloxacin removal using a horizontal-flow anaerobic immobilized biomass reactor

Sulfur Recovery from Wastewater Using a Micro-aerobic External Silicone Membrane Reactor (ESMR)

Sulfide-oxidizing bacteria establishment in an innovative microaerobic reactor with an internal silicone membrane for sulfur recovery from wastewater

Synthesis and photocatalytic evaluation of nanocrystalline ZnO obtained by high energy milling

Thermophilic anaerobic digestion of raw sugarcane vinasse

Trophic State Evolution and Nutrient Trapping Capacity in a Transboundary Subtropical Reservoir: A 25-Year Study

2015:

AnSBBR Operated in Batch and Fed-Batch Modes Applied to Biohydrogen Production Treating Lactose-Based Wastewater

Anaerobic degradation of anionic surfactants by indigenous microorganisms from sediments of a tropical polluted river in Brazil

Anaerobic effluent disinfection using ozone/chlorine

Analyses of water table depths variations in an outcrop area of the Guarani aquifer system in BROTAS/SP-Brazil

Assessing uncertainties in surface water security: An empirical multimodel approach

Biodegradation of linear alkylbenzene sulfonate in commercial laundry wastewater by an anaerobic fluidized bed reactor

Biohydrogen Production in an AnSBBR Treating Glycerin-Based Wastewater: Effects of Organic Loading, Influent Concentration, and Cycle Time

Biohydrogen from cheese whey treatment in an AnSBBR: Achieving process stability

The Biological Hydrogen Production Potential of Agroindustrial Residues

Characterization of residual sand removed from the grit chambers of a wastewater treatment plant and its use as fine aggregate in the preparation of non-structural concrete

The comparative advantages of ethanol and sucrose as co-substrates in the degradation of an anionic surfactant: microbial community selection

Comparison of selected methods for recovery of *Giardia* spp. cysts and *Cryptosporidium* spp. oocysts in wastewater

Contrasting American and Brazilian systems for water allocation and transfers

Effect of inoculum concentration, pH, light intensity and lighting regime on hydrogen production by phototrophic microbial consortium

The effect of organic load and feed strategy on biohydrogen production in an AnSBBR treating glycerin-based wastewater

Energy recovery from agro-industrial wastewaters through biohydrogen production: Kinetic evaluation and technological feasibility

Estimate of groundwater recharge based on water balance in the unsaturated soil zone

Evaluation of bacterial community from anaerobic fluidized bed reactor for the removal of linear alkylbenzene sulfonate from laundry wastewater by 454-pyrosequence

Evaluation of hydrogen and methane production from sugarcane vinasse in an anaerobic fluidized bed reactor

Evaluation of the microbial diversity in sequencing batch reactor treating linear alkylbenzene sulfonate under denitrifying and mesophilic conditions using swine sludge as inoculum

Evaluation of remotely sensed data for estimating recharge to an outcrop zone of the Guarani Aquifer System (South America)

The Influence of the Buffering Capacity on the Production of Organic Acids and Alcohols from Wastewater in Anaerobic Reactor

Influence of Organic Load on Biohydrogen Production in an AnSBBR Treating Glucose-Based Wastewater

InFLuence of Organic Load, Fill Time and Cycle Length on Biohydrogen Production in an Ansbbbr Treating Glucose-Based WasteWater

Microbial diversity and the implications of sulfide levels in an anaerobic reactor used to remove an anionic surfactant from laundry wastewater

Nitrogen and residual organic matter removal from anaerobic reactor effluent in a fixed-bed reactor with biogas for denitrification

Post-treatment of anaerobic effluent by ozone and ozone/UV of a kraft cellulose pulp mill

Rapid determination of 12 antibiotics and caffeine in sewage and bioreactor effluent by online column-switching liquid chromatography/tandem mass spectrometry

Real-time multiobjective optimization of operation of water supply systems

Recharge contribution to the Guarani aquifer system estimated from the water balance method in a representative watershed

Removal of COD and nitrogen from animal food plant wastewater in an intermittently-aerated structured-bed reactor

Resilience of methanogenesis in an anaerobic reactor subjected to increasing sulfate and sodium concentrations

Sequential fermentative and phototrophic system for hydrogen production: An approach for Brazilian alcohol distillery wastewater

Sulfidogenesis interference on methane production from carbohydrate-rich wastewater

Technical-economic evaluation of double filtration technology

Transport mechanisms of sodium in sandy soil from column leaching test

UASB reactor effluent disinfection by ozone and chlorine

2014:

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

Avoidance response of *Danio rerio* to a fungicide in a linear contamination gradient

A blue/green water-based accounting framework for assessment of water security

Biomethane Production in an AnSBBR Treating Wastewater from Biohydrogen Process

Continuous anaerobic bioreactor with a fixed-structure bed (ABFSB) for wastewater treatment with low solids and low applied organic loading content

Effect of biomass adaptation to the degradation of anionic surfactants in laundry wastewater using EGSB reactors

Effect of Organic Loading Rate and Fill Time on the Biohydrogen Production in a Mechanically Stirred AnSBBR Treating Synthetic Sucrose-Based Wastewater

The effects of seed sludge and hydraulic retention time on the production of hydrogen from a cassava processing wastewater and glucose mixture in an anaerobic fluidized bed reactor

Evaluation of the microbial community of upflow anaerobic sludge blanket reactors used for the removal and degradation of linear alkylbenzene sulfonate by pyrosequencing

Feature extraction in pressure signals for leak detection in water networks

Incorporating multi-event and multi-site data in the calibration of SWMM

Innovative anaerobic bioreactor with fixed-structured bed (ABFSB) for simultaneous sulfate reduction and organic matter removal

Methanogenic potential of an anaerobic sludge in the presence of anionic and nonionic surfactants

Microbial characterization and degradation of linear alkylbenzene sulfonate in an anaerobic reactor treating wastewater containing soap powder

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

Removing organic matter from sulfate-rich wastewater via sulfidogenic and methanogenic pathways

Shortcut nitrification-denitrification coupled with sulfide oxidation in a single reactor

Technical and the social participation criteria for forestation: What are the differences in the definition of priority areas?

Toxicity on aquatic organisms exposed to secondary effluent disinfected with chlorine, peracetic acid, ozone and UV radiation

Trends in nutrient and sediment retention in Great Plains reservoirs (USA)

Use of metamodels in real-time operation of water distribution systems

2013:

Algal biomass production and wastewater treatment in high rate algal ponds receiving disinfected effluent

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

Anaerobic treatment of industrial biodiesel wastewater by an ASBR for methane production

ASBR with mechanical agitation and draft tube: Operating feasibility applied to wastewater treatment

Biotransformation of sulfate in elemental sulfur in SBBR: Effects of feed strategy, temperature and microaeration

BTEX removal in a horizontal-flow anaerobic immobilized biomass reactor under denitrifying conditions

Community participation and implementation of water management instruments in watersheds

Comparative analysis of integrated water resources management models and instruments in South America: Case studies in Brazil and Colombia

CONAMA framework resolution 357/2005: Spatial and temporal analysis of water quality legal compliances in rivers and reservoirs from São Paulo State, Brazil (2005-2009)

The effect of enzymatic pre-hydrolysis of dairy wastewater on the granular and immobilized microbial community in anaerobic bioreactors

Effects of organic loading, influent concentration, and feed time on biohydrogen production in a mechanically stirred AnSBBR treating sucrose-based wastewater

Evaluation of the microbial diversity of denitrifying bacteria in batch reactor

The influence of land use and occupation on the quality and genotoxicity of water in the Itupararanga Reservoir, São Paulo, Brazil

The effect of biomass immobilization support material and bed porosity on hydrogen production in an upflow anaerobic packed-bed bioreactor

Hydrological benefits in the context of Brazilian environmental services program

Influence of seed sludge and pretreatment method on hydrogen production in packed-bed anaerobic reactors

Influence of volatile fatty acid concentration stability on anaerobic degradation of linear alkylbenzene sulfonate

Long-term performance and operational strategies of a poultry slaughterhouse waste stabilization pond system in a tropical climate

Mathematical model for the simulation of water quality in rivers using the Vensim PLE® software

A most-probable number technique for methanotrophic bacteria determination in biological reactors using methane as an electron donor for denitrification

Nitrogen and sulfide removal from effluent of UASB reactor in a sequencing fed-batch biofilm reactor under intermittent aeration

Nitrogen and organic matter removal in an intermittently aerated fixed-bed reactor for post-treatment of anaerobic effluent from a slaughterhouse wastewater treatment plant

Partial degradation of 17 β -estradiol by the chlorination applied to the treatment of water

Starch-g-copolymers: Synthesis, properties and applications

Sulfide-oxidizing autotrophic denitrification: An evaluation for nitrogen removal from anaerobically pretreated domestic sewage

Reduction of sludge generation by the addition of support material in a cyclic activated sludge system for municipal wastewater treatment

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

Total volatile solids may aid in trophic state assessment in subtropical reservoirs

Use of volatile fatty acids salts in the production of xanthan gum

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Advanced oxidation process H₂O₂/UV combined with anaerobic digestion to remove chlorinated organics from bleached kraft pulp mill wastewater

Anaerobic effluent disinfected with ozone/hydrogen peroxide

Anaerobic effluent disinfected with ozone/hydrogen peroxide efluente anaeróbio desinfetado com ozônio/peróxido de hidrogênio

Assessment of a UASB reactor for the removal of sulfate from acid mine water

Automation of the coagulant dosage for flotation systems used for the post-treatment of the effluent of anaerobic reactors

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

Characterization of immobilized biomass by amplified rDNA restriction analysis (ARDRA) in an anaerobic sequencing-batch biofilm reactor (ASBBR) for the treatment of industrial wastewater

Communicating uncertainty about groundwater scenarios using stochastic simulation of water table depths time series

Determination of the intrinsic kinetic parameters of sulfide-oxidizing autotrophic denitrification in differential reactors containing immobilized biomass

Effect of sulfide concentration on autotrophic denitrification from nitrate and nitrite in vertical fixed-bed reactors

Housing and environmental management in water source areas: The case of Santo André (SP)

Hybrid Water Demand Forecasting Model Associating Artificial Neural Network with Fourier Series

Hydrogen and methane production, energy recovery, and organic matter removal from effluents in a two-stage fermentative process

Integration between cumulative frequency curves for water quantity and quality as a tool for effective water resources management

Integration of spatial and temporal models to predict extreme water table depths

Lethal effects of abamectin on the aquatic organisms *Daphnia similis*, *Chironomus xanthus* and *Danio rerio*

Metamodeling of a water supply system using a self-Adaptive artificial neural network

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

Nutrient reference concentrations and trophic state boundaries in subtropical reservoirs

Space-temporal dynamics of limnological variables in a floodplain wetland located at Ribeira do Iguape Valley (São Paulo, Brazil) at different hydrological periods

Stochastic simulation of time-series models combined with geostatistics to predict water-table scenarios in a Guarani Aquifer System outcrop area, Brazil

Toxic effects of cadmium (Cd^{2+}) on anaerobic biomass: Kinetic and metabolic implications

Treatment of Domestic Sewage in an Anaerobic-Aerobic Fixed-bed Reactor with Recirculation of the Liquid Phase

A two-stage aerobic/anaerobic denitrifying horizontal bioreactor designed for treating ammonium and H_2S simultaneously