

2021:

Anaerobic digestion of hydrothermal liquefaction wastewater from spent coffee grounds

Analysis of wind farms frequency support

An Approximated Analytical Model for Pole-to-Ground Faults in Symmetrical Monopole MMC-HVDC Systems

The behaviour of a low voltage distribution network with crescent presence of photovoltaic generation and energy storage elements

Biofuel production from sugarcane molasses in thermophilic anaerobic structured-bed reactors

Biohydrogen-producing from bottom to top? Quali-quantitative characterization of thermophilic fermentative consortia reveals microbial roles in an upflow fixed-film reactor

Cascaded Interleaved DC-DC Converter Designed for Grid-to-Vehicle and Vehicle-to-Grid Technologies

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

Comparison between a crowbar and an R-SFCL to improve Fault Ride-Through Capacity of DFIG-based Wind Turbines

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

Coordination and selectivity analysis of voltage-based relays for enhancing microgrid protection

Cost Analysis of Robust Volt-Var Control Designs

Dissecting the role of heterogeneity and hydrothermal pretreatment of sugarcane bagasse in metabolic pathways for biofuels production

Diversifying the portfolio of sugarcane biorefineries: Anaerobic digestion as the core process for enhanced resource recovery

Dynamics of sulfate reduction in the thermophilic dark fermentation of sugarcane vinasse: A biohydrogen-independent approach targeting enhanced bioenergy production

Enzymatic routes to hydrogen and organic acids production from banana waste fermentation by autochthonous bacteria: Optimization of pH and temperature

Exploratory data analysis to evaluate the propagation of disturbances originating in a short circuit

A Fast and Accurate Single-Diode Model for Photovoltaic Design

Fault distance estimation in multiterminal HVDC systems using the Lomb-Scargle periodogram

Full details on continuous biohydrogen production from sugarcane molasses are unraveled: Performance optimization, self-regulation, metabolic correlations and quanti-qualitative biomass characterization

Homoacetogenesis: New insights into controlling this unsolved challenge by selecting the optimal C/N ratio, C/P ratio and hydraulic retention time

Investigation on using low voltage automatic regulation to minimize the impacts of charging plug-in electric vehicles in distribution systems

Loading Margin Improvement through Adjustment of the Wind Farms Power Factor

Metals addition for enhanced hydrogen, acetic and butyric acids production from cellulosic substrates by *Clostridium butyricum*

A methodology for detection and classification of power quality disturbances using a real-time operating system in the context of home energy management systems

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

Microgrids physics model-based fault location formulation: Analytic-based distributed energy resources effect compensation

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

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

Numerical prediction and experimental validation of an onboard rotor under bending

Operation planning and decision-making approaches for Volt/Var multi-objective optimization in power distribution systems

Optimized Exploitation of Ancillary Services: Compensation of Reactive, Unbalance and Harmonic Currents Based on Particle Swarm Optimization

Parametric CFD analysis of the taper ratio effects of a winglet on the performance of a Horizontal Axis Wind Turbine

Performance Indices for Assessing the Power Quality of Islanded Operation of Distributed Generators

Porous Refractory Ceramics for High-Temperature Thermal Insulation - Part 1: The Science Behind Energy Saving

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

Probabilistic Analysis of DG Anti-Islanding Protection Security Against Momentary Short-Circuits in Distribution Grids

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

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

Robustness Evaluation of a WAMPAC Scheme Considering Problems with Communication Links

Semi-rigid erosion control techniques with geotextiles applied to reservoir margins in hydroelectric power plants, Brazil

Screening design of nutritional and physicochemical parameters on bio-hydrogen and volatile fatty acids production from Citrus Peel Waste in batch reactors

Small-signal modeling of the Boost-Buck for single-phase grid connected photovoltaic systems

Using OBR for pressure monitoring and BVID detection in type IV composite overwrapped pressure vessels

Thermophilic biodigestion of fermented sugarcane molasses in high-rate structured-bed reactors: Alkalinization strategies define the operating limits

Tuning of DFIG Wind Turbine Controllers with Voltage Regulation Subjected to Electrical Faults Using a PSO Algorithm

Value-added soluble metabolite production from sugarcane vinasse within the carboxylate platform: An application of the anaerobic biorefinery beyond biogas production

Vector Control Applied to Mitigate the Electromagnetic Torque Ripple in Doubly Fed Induction Generator

Wind generator protection with ESSs considering grid connected and island mode operations

Wind tunnel measurements of a multibladed horizontal-axis small wind turbine

2020:

Acidic and thermal pre-treatments for anaerobic digestion inoculum to improve hydrogen and volatile fatty acid production using xylose as the substrate

Additive manufacturing of 316l stainless steel by selective laser melting

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

An Adaptive Power Sharing Control for Management of DC Microgrids Powered by Fuel Cell and Storage System

Analysis of decentralized control techniques for multigenerator microgrid islanded operation with traditional controllers

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

Biogas sequestration from the headspace of a fermentative system enhances hydrogen production rate and yield

Biohydrogen production in an integrated biosystem using crude glycerol from waste cooking oils strategy

BIPES: Block based integrated platform for embedded systems

Comparative analysis of fault detection and classification techniques for HVDC grids protection

Control-based fault current limiter for modular multilevel voltage-source converters

A Control Structure for Smooth Transfer from Grid-Connected to Islanded Operation of Distributed Synchronous Generators

Distance protection algorithm for multiterminal HVDC systems using the Hilbert-Huang transform

Effects of seasonal variations on the thermal response of energy piles in an unsaturated Brazilian tropical soil

Enhancement of *Clostridium butyricum* hydrogen production by iron and nickel nanoparticles: Effects on *hydA* expression

Evaluating the transition for self-managed teams through analysis of roles in agile product development process in a technology-based startup

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

Fuzzy-based approach for power smoothing of a full-converter wind turbine generator using a supercapacitor energy storage

Geometric-based PID control design with selective harmonic mitigation for dc-DC converters by imposing a norm bound on the sensitivity function

High-Accuracy Dynamic Load Emulation Method for Electrical Drives

Hydrogen storage properties of filings of the ZK60 alloy modified with 2.5 wt% mischmetal

On the Impact of Non-Synchronous Devices over the Critical Clearing Time of Low-Inertia Systems

Impacts of photovoltaic systems in distribution networks using droop control

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

Improving the islanding detection performance of passive protection by using the undervoltage block function

Influence of culture age, ammonium and organic carbon in hydrogen production and nutrient removal by *Anabaena* sp. in nitrogen-limited cultures

An initial investigation of tungsten inert gas (TIG) torch as heat source for additive manufacturing (AM) process

Lightweight decorated membrane panels for sound isolation

Low-cost hardware-in-the-loop for real-time simulation of electric machines and electric drive

Management and control of a bidirectional electric station in DC microgrids

Management of an Electrical Storage System for Joint Energy Arbitrage and Improvement of Voltage Profile

Management and equalization of energy storage devices for DC microgrids using a SoC-sharing function

Metagenomic analysis of autochthonous microbial biomass from banana waste: Screening design of factors that affect hydrogen production

Mg-containing multi-principal element alloys for hydrogen storage: A study of the $\text{MgTiNbCr}_{0.5}\text{Mn}_{0.5}\text{Ni}_{0.5}$ and $\text{Mg}_{0.68}\text{TiNbNi}_{0.55}$ compositions

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

Molasses vs. juice: Maximizing biohydrogen production in sugarcane biorefineries to diversify renewable energy generation

Multi-objective PSO applied to PI control of DFIG wind turbine under electrical fault conditions

Multiobjective approach for medium- And low-voltage planning of power distribution systems considering renewable energy and robustness

Nonlinear piezoelectric plate framework for aeroelastic energy harvesting and actuation applications

Orange Bagasse Pellets as a Carbon Source for Biobutanol Production

An overview of laser engineered net shaping of ceramics

Performance Evaluation of Asynchronous Multi-channel MAC Protocol for WSN

Probabilistic short-circuit analysis: A new approach integrating intermittent power injection

Reducing the Surface Area of Black Silicon by Optically Equivalent Structures

Screening and Bioprospecting of Anaerobic Consortia for Biofuel Production Enhancement from Sugarcane Bagasse

Simulation technologies applicable to microgrids

Stability problems in the hydrogen production by dark fermentation: Possible causes and solutions

Stable Limit Cycles Induced by the Interaction of HVDC Limiters and PSSs

Standardized protocol for determination of biohydrogen potential

Statistical assessment of cartographic product from photogrammetry and fixed-wing UAV acquisition

Study of vapourised solvent attack on additive manufacturing part surface

A survey on adaptive protection of microgrids and distribution systems with distributed generators

Thermophilic biomethanation of sugarcane molasses comparing single and two-stage systems: Process performance and energetic potential

Thermophilic biohydrogen production from sugarcane molasses under low pH: Metabolic and microbial aspects

Three-phase four-wire unified power quality conditioner structure with independent grid current control and reduced dc-bus voltage operating with inverted/dual compensating

Time scale stability analysis of a Hopf bifurcation in a wind-diesel hybrid microgrid

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

The water-energy-food nexus research in the Brazilian context: What are we missing?

2019:

Advances in compression of power quality signals

An accurate method for fault location in HVDC systems based on pattern recognition of DC voltage signals

Analysis of Distributed Energy Resources Impact on Islanding Detection Techniques

Analysis of the Hosting Capacity of a Real Distribution Feeder with Wind Generation

Analysis of the integration of type c wind turbines in distribution networks

Battery Energy Storage System Allocation in Distribution Systems for Power Loss and Operational Costs Reduction

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

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

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

BESS Support to DFIG-based Wind Turbines connected to medium-voltage distribution networks

Centrifuge modelling of a helical anchor under different cyclic loading conditions in sand

Comparative Evaluation of Methods for Switching Temporary Frequency Support in Islanded Systems

Current Based Three Phase State Estimator for Distribution Systems with Smart Meters Data

Dark fermentative biohydrogen production from synthetic cheese whey in an anaerobic structured-bed reactor: Performance evaluation and kinetic modeling

Data Mining-Based Method to Reduce Multiple Estimation for Fault Location in Radial Distribution Systems

Dataset of anaerobic acidogenic digestion for hydrogen production using xylose as substrate: Biogas production and metagenomic data

Decision Trees Applied to Fault Locations in Distribution Systems with Smart Meters

Design and simulation of a controller for emulation of a wind turbine by a DC motor

Different responses of load models when facing short-circuits in a distribution system with intermittent distributed generation

Differential protection for stator ground faults in a full-converter wind turbine generator

Does sugarcane vinasse composition variability affect the bioenergy yield in anaerobic systems? A dual kinetic-energetic assessment

Effects of Agrochemicals on Freshwater Macroinvertebrates: Challenges and Perspectives from Southeastern Brazil

Energy efficiency study throughout the industrial operations of a multinational household appliances manufacturer company in Brazil

Enhanced Space-State Reduced-Order Microgrid Model in Common DQ-Reference Frame

Experimental design and syntrophic microbial pathways for biofuel production from sugarcane bagasse under thermophilic condition

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

Extreme thermophilic condition: An alternative for long-term biohydrogen production from sugarcane vinasse

Fault Location in Radial Distribution Networks Using ANN and Superimposed Components

Further contributions to smart grids cyber-physical security as a malicious data attack: Proof and properties of the parameter error spreading out to the measurements and a relaxed correction model

HRT control as a strategy to enhance continuous hydrogen production from sugarcane juice under mesophilic and thermophilic conditions in AFBRs

Hydrogen, alcohols and volatile fatty acids from the co-digestion of coffee waste (coffee pulp, husk, and processing wastewater) by applying autochthonous microorganisms

Hydrogen bioproduction with anaerobic bacteria consortium from brewery wastewater

Hydrogen production in reactors: The influence of organic loading rate, inoculum and support material

Impact of ROCOF-based islanding detection on the stand-alone operation of a distributed synchronous generator

Influence of alkaline peroxide assisted and hydrothermal pretreatment on biodegradability and bio-hydrogen formation from citrus peel waste

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

Intelligent management of battery system for energy arbitrage

Intentional Island and dynamic analysis of a microgrid

Interplay between Optical and Electrical Properties of Nanostructured Surfaces in Crystalline Silicon Solar Cells

Investigation of the Impacts of a Multiple-DG Microgrid on the Short-Circuit Levels of a Distribution System

Islanding detection based on artificial neural network and S-transform for distributed generators

Islanding detection of distributed generation by using multi-gene genetic programming based classifier

Islanding Detection for Distributed Generators Based on Artificial Neural Network and S-transform

The knowledge gap in environmental impact assessment practice for wind energy projects

Laboratory for analysis of microgrid with real time simulation

Local Tilt Optimization of Photovoltaic Solar Panels for Maximum Radiation Absorption

Medium-and low-voltage planning of electric power distribution systems with distributed generation, energy storage sources, and electric vehicles

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

Novel insights on the versatility of biohydrogen production from sugarcane vinasse via thermophilic dark fermentation: Impacts of pH-driven operating strategies on acidogenesis metabolite profiles

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

Onera-type corrections into the unsteady vortex lattice method for dynamic stall representation

An Optimal Energy Management Technique Using the ϵ -Constraint Method for Grid-Tied and Stand-Alone Battery-Based Microgrids

Optimized Fractional Order PI λ Power Control of a HVDC Line Impedance Model

Parameter Estimation of Photovoltaic System Using Real Condition Data

Perturbing beyond the shallow amplitude regime: Green's function scattering formalism with Bloch modes

Photovoltaic Sub-Module with Optical Sensor for Angular Measurements of Incident Light

Pipe–pipe thermal interaction in a geothermal energy pile

Power flow and stability analyses of a multifunctional distributed generation system integrating a photovoltaic system with unified power quality conditioner

Preventive Control for Voltage Stability Enhancement Using Reactive Power from Wind Power Plants

Smart microgrids operation considering a variable neighborhood search: The differential evolutionary particle swarm optimization algorithm

Stall-induced oscillations of typical aeroelastic sections in low airspeeds

A standardized biohydrogen potential protocol: An international round robin test approach

An S-Transform based approach for fault detection and classification in power distribution systems

A Survey on Smart Grids: Concerns, advances, and trends

A Survey of State-of-the-Art on Microgrids: Application in Real Time Simulation Environment

Transient Stability of Power Systems Under High Penetrations of Wind Power Generation

Voltage Regulation in Distribution Systems with High Penetration of Renewable Resources

2018:

Anaerobic phototrophic processes of hydrogen production by different strains of microalgae *Chlamydomonas* sp

Analysis of long wind turbine blades with shape memory alloy wires in super-elastic phase

Analysis of the cable length impact on the performance of differential and directional protections in multi-terminal VSC-HVDC systems

Bacterial and archaeal community structure involved in biofuels production using hydrothermal- and enzymatic-pretreated sugarcane bagasse for an improvement in hydrogen and methane production

Biohydrogen production at pH below 3.0: Is it possible?

Biotechnological products in batch reactors obtained from cellulose, glucose and xylose using thermophilic anaerobic consortium

Comparison of supercapacitor storage system control methods for wind power smoothing

Corrosion behaviour of as-cast ZK40 with CaO and Y additions

Detection of Broken Rotor Bars Faults in Inverter-Fed Induction Motors

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

Effect of the electric supply interruption on a microbial electrosynthesis system converting inorganic carbon into acetate

Effects of friction stir processing on hydrogen storage of ZK60 alloy

Efficient and robust ANN-based method for an improved protection of VSC-HVDC systems

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

An Energy Efficient Receiver-Initiated MAC Protocol for Low-Power WSN

Energy harvesting from stall-induced oscillations of pitching airfoils at high-subsonic regime

Energy storage system specification and allocation for a distribution system with distributed generation

Evaluation of an interleaved boost converter powered by fuel cells and connected to the grid via voltage source inverter

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

Estimation of photovoltaic systems parameters using the MVM0 method

Experimental study of viscosity effects on heavy crude oil-water core-annular flow pattern

Feasibility of biohydrogen production by Co-digestion of vinasse (Sugarcane stillage) and Molasses in an Ansbbr

Feature extraction-based method for voltage sag source location in the context of smart grids

Hardware Implementation and Real-Time Evaluation of an ANN-Based Algorithm for Anti-Islanding Protection of Distributed Generators

A hybrid method for islanding stability detection of distributed generators using wavelet transform and artificial neural networks

Hydraulic and organic rates applied to pilot scale UASB reactor for sugar cane vinasse degradation and biogas generation

Hydrothermal processing of biomass for anaerobic digestion – A review

The impact of modular multilevel converter control on dc short-circuit currents of HVDC systems

Improvement of overcurrent protection considering distribution systems with distributed generation

The influence of grounding configuration in a full conversion wind generator under internal faults

Investigation into the physical–chemical properties of chemically pretreated sugarcane bagasse

In-situ measurements of the soil thermal properties for energy foundation applications in São Paulo, Brazil

Metagenomic analysis and optimization of hydrogen production from sugarcane bagasse

Microbial electrosynthesis (MES) from CO₂ is resilient to fluctuations in renewable energy supply

Mitigation of voltage variations during cloud transients by using energy storage systems

Mobile battery energy storage systems influence on overcurrent protection of distribution networks

Multiple target sound quality balance for hybrid electric powertrain noise

A multi-stage methodology for fault location in radial distribution systems

A Multiobjective Optimization Model for the Design of Hybrid Renewable Energy Systems

Multitask Fuzzy Secondary Controller for AC Microgrid Operating in Stand-alone and Grid-tied Mode

A New Method to Manage the Fuel Cell Initialization

Online Parameter Estimation of a Transient Induction Generator Model Based on the Hybrid Method

Optimization of biomass and hydrogen production by *Anabaena* sp. (UTEX 1448) in nitrogen-deprived cultures

Paths to light trapping in thin film GaAs solar cells

A Procedure to Design Fault-Tolerant Wide-Area Damping Controllers

Proportional-resonant controller applied to modular multilevel converter for HVDC systems

The proposition of a multiagent system for adaptive protection of a distribution system

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

Road vehicle emission inventory of a Brazilian metropolitan area and insights for other emerging economies

Season-based rainfall-runoff modelling using the probability-distributed model (PDM) for large basins in southeastern Brazil

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

Selection of metabolic pathways for continuous hydrogen production under thermophilic and mesophilic temperature conditions in anaerobic fluidized bed reactors

Selective nonunit protection technique for multiterminal VSC-HVDC grids

The setting map methodology for adjusting the DG anti-islanding protection considering multiple events

Sizing of battery energy storage system in distribution systems for voltage profile improvement

A Survey on Cloud Computing Applications in Smart Distribution Systems

Stability analysis of a wind power system via PEBS method

Study of harmonic pollution caused by compact fluorescent lamps in synchronous generators used in emergency generation

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

Synchronous generator protection in the context of microgrids

Temporal dynamics and metabolic correlation between lactate-producing and hydrogen-producing bacteria in sugarcane vinasse dark fermentation: The key role of lactate

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

Tool for prospecting of remaining hydro-energetic potential

2017:

Active anti-islanding protection method based on active power flow applied to VSI-based distributed generation

Analysis of fulfillment of LVRT requirements under unbalanced operating conditions

Analysis of the influence of the FIDVR problem in the operation of a DFIG under unbalanced conditions

Application of a three-phase load estimation in a real distribution feeder

Bioethanol and power from integrated second generation biomass: A Monte Carlo simulation

Biohydrogen production by co-digesting whey and glycerin in an AnSBBR: Performance optimization, metabolic pathway kinetic modeling and phylogenetic characterization

Calcium dosing for the simultaneous control of biomass retention and the enhancement of fermentative biohydrogen production in an innovative fixed-film bioreactor

Car drivers' knowledge and preferences regarding additional services at parking facilities

A comparison between coagulation and ultrafiltration processes for biodiesel wastewater treatment

Control and protection of active distribution systems using a new multiobjective mathematical model

A control scheme for mitigation of DFIG oscillatory behavior related to FIDVR problem

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

Design and optimization of hydrogen production from hydrothermally pretreated sugarcane bagasse using response surface methodology

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

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

Down-flow fixed-structured bed reactor: An innovative reactor configuration applied to acid mine drainage treatment and metal recovery

Dynamic Performance Improvement of a Grid-Tied PV System Using a Feed-Forward Control Loop Acting on the NPC Inverter Currents

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

Electric vehicle hardware-in-the-loop simulation with differentiator optimised by genetic algorithm

Evaluation of aperiodic control for energy saving in wireless networked control systems

A framework proposal for sustainability assessment of sugarcane in Brazil

Fuzzy secondary controller applied to autonomous operated AC microgrid

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

Hydropower reservoir sediment and water quality assessment

Improved finite control-set model-based direct power control of BLDC motor with reduced torque ripple

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

Influence of C/P and C/N ratios and microbial characterization in hydrogen and ethanol production in an anaerobic fluidized bed reactor

Integrating hydrogen and methane production in an AnSBBR: The kinetic model of metabolic pathways and energy estimation

An Intelligent Backup Scheme for Current Source Converter-High Voltage Direct Current Systems Based on Artificial Neural Networks

LCL filter design for VSC-HVDC systems supplying passive grids

On limit cycle oscillations of typical aeroelastic section with different preset angles of incidence at low airspeeds

Maximum Design Flow Estimates for Large Basins Using the Local Frequency Analysis (LFA) and the Most Probable Maximum Hydrograph (MPMH) Methods – a Critical Analysis

Mitigation of voltage violations caused by the disconnection of distributed generation by using a centralized control of the step-voltage regulator

Modal estimation in distributed synchronous generation systems under three-phase unbalanced conditions

Modelling a multi-stage diffuser for sucrose extraction in sugarcane biorefineries

Multi-agent systems applied to power loss minimization in distribution-level smart grid with dynamic load variation

A new DG anti-islanding protection technique based on harmonic impedance measurement

Optical CMOS sensor for angular measurements with readout electronics

Photonic intermediate structures for tandem perovskite/silicon solar cells

Photonic Intermediate Structures for Perovskite/c-Silicon Four Terminal Tandem Solar Cells

Procedure to account for DG mandatory disconnection during voltage stability assessment

Project of a solar module emulator using a zener diode to analyze the behavior of MPPT algorithms

Reduction in greenhouse gas emissions from vinasse through anaerobic digestion

Single-stage three-phase grid-tied pv system with universal filtering capability applied to DG systems and AC microgrids

Smart grids cyber-physical security as a malicious data attack: An innovation approach

Thermodynamic analysis of the drying process of bananas in a small-scale solar updraft tower in Brazil

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

Unraveling the influence of the COD/sulfate ratio on organic matter removal and methane production from the biodigestion of sugarcane vinasse

2016:

Active noise control in hybrid powertrains guided multi-objective optimization of sound quality metrics

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

Changes in erosion and runoff due to replacement of pasture land with sugarcane crops

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

Characterization of nonlinear behavior of an airfoil under stall-induced pitching oscillations

Decentralized control for renewable DC Microgrid with composite energy storage system and UC voltage restoration connected to the grid

Design and manufacture of a solar-powered unmanned aerial vehicle for civilian surveillance missions

Design of protection schemes for multi-terminal HVDC systems

The deployment of product-related environmental legislation into product requirements

Diversity of anaerobic bacteria in sediments from a subtropical reservoir

Efficient signal processing technique for information extraction and its applications in power systems

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

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

Experimental evaluation of sediment yield in the first year after replacement of pastures by sugarcane

Evaluation of the impacts of load profiles on synchronous DG frequency anti-islanding protection

Experimental investigation of an airfoil response under stall-induced pitching oscillations

A flexible infrastructure for dynamic power control of electric vehicle battery chargers

Fuzzy secondary controller for autonomous stand-alone and grid-connected AC microgrid

A generalized coverage matrix method for power quality monitor allocation utilizing genetic algorithm

Guidelines resulting from modeling, evaluation and coordination enhancement of Itaipu hydro power plant protection

Hybrid fuzzy anti-islanding for grid-connected and islanding operation in distributed generation systems

Hydrogen storage in heavily deformed ZK60 alloy modified with 2.5 wt.% Mn addition

Hydrological system time lag responses to meteorological shifts

Improvement of hydrogen production via ethanol-type fermentation in an anaerobic down-flow structured bed reactor

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

Insights into directional scattering: From coupled dipoles to asymmetric dimer nanoantennas

Microbial communities from 20 different hydrogen-producing reactors studied by 454 pyrosequencing

A new artificial neural network based method for islanding detection of distributed generators

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

A novel and comprehensive single terminal ANN based decision support for relaying of VSC based HVDC links

Numerical Analysis and Prototyping Details of a Planar Parallel Redundant Manipulator

Optimal Distributed Generation and Reactive Power Allocation in Electrical Distribution Systems

Operational strategies for long-term biohydrogen production from sugarcane stillage in a continuous acidogenic packed-bed reactor

Proposal of Receiver Initiated MAC Protocol for WSN in urban environment using IoT

Optimal industrial reactor design: Development of a multiobjective optimization method based on a posteriori performance parameters calculated from CFD flow solutions

On the optimal piezoelectric material distribution in energy harvesting from a nonlinear beam under axial flow

Optimal voltage regulation in distribution systems with unbalanced loads and distributed generation

Optimal voltage sags monitoring considering different loading profiles in distribution systems

Optimization, metabolic pathways modeling and scale-up estimative of an AnSBBR applied to biohydrogen production by co-digestion of vinasse and molasses

Optimization performance of an AnSBBR applied to biohydrogen production treating whey

Pointwise Thévenin equivalents of a solar module

Power quality analysis in an industrial electrical system by probability density function

Reservoir storage and hydrologic responses to droughts in the Paraná River basin, south-eastern Brazil

Severely deformed ZK60 + 2.5% Mn alloy for hydrogen storage produced by two different processing routes

Stability region of a wind power system under low-voltage ride-through constraint

Thermophilic biohydrogen production using a UASB reactor: Performance during long-term operation

Three-phase grid-connected PV system operating with feed-forward control loop and active power-line conditioning using NPC inverter

Voltage gain analysis of the interleaved boost with voltage multiplier converter used as electronic interface for fuel cells systems

Voltage and power control used to stabilise the distributed generation system for stand-alone or grid-connected operation

2015:

Airfoil-based piezoelectric energy harvesting by exploiting the pseudoelastic hysteresis of shape memory alloy springs

Analysis of the maximum available time to switch the operation control mode of a distributed generation during an islanding occurrence

Anaerobic digestion of vinasse from sugarcane ethanol production in Brazil: Challenges and perspectives

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

The application of an innovative continuous multiple tube reactor as a strategy to control the specific organic loading rate for biohydrogen production by dark fermentation

Artificial neural networks in evaluating piezometric levels at the foundation of itaipu dam

Assessment of model parameters to identify an equivalent wind power plant

Bacterial diversity from environmental sample applied to bio-hydrogen production

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

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

Biogas production within the bioethanol production chain: Use of co-substrates for anaerobic digestion of sugar beet vinasse

The Biological Hydrogen Production Potential of Agroindustrial Residues

Characterization of the State-of-the-art and Identification of Main Trends for Ecodesign Tools and Methods: Classifying Three Decades of Research and Implementation

Distributed generation based on Fuel Cell system using a non-isolated high step up DC-DC converter

Different Slot Configurations for Direct-Drive PM Brushless Machines

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

Effect of specimen geometry on the fatigue crack growth characterization of a clad pipe girth weld

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

The evaluation of electric energy consumption in the Brazilian residential sector: A technological improvement proposal in order to increase its efficiency

A framework for classification of non-linear loads in smart grids using Artificial Neural Networks and Multi-Agent Systems

Fractional order controller $PI\lambda$ designed via heuristic optimization algorithm Lévy-Flight Firefly for connection of renewable energy sources to the grid

Frequency fuzzy anti-islanding for gridconnected and islanding operation in distributed generation systems

Generalized energy functions for a class of lossy networking preserving power system models

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 Ansbbr Treating Glucose-Based Wastewater

High organic loading rate on thermophilic hydrogen production and metagenomic study at an anaerobic packed-bed reactor treating a residual liquid stream of a Brazilian biorefinery

Impact of load variation on the synchronous DG frequency-based anti-islanding protection

Influence of sedimentation on hydroelectric power generation: Case study of a Brazilian reservoir

The influence of kinematic redundancies in the energy efficiency of planar parallel manipulators

Leading product-related environmental performance indicators: a selection guide and database

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

Mesophilic hydrogen production in acidogenic packed-bed reactors (APBR) using raw sugarcane vinasse as substrate: Influence of support materials

Modeling and analysis of superconducting fault current limiters applied in VSC-HVDC systems

The mutagenic potential caused by the emissions from combustion of crude glycerin and diesel fuel

Nonlinear airfoil torsional response induced by separated flows

Out-of-phase automatic reclosing in distributed generation systems with voltage source inverters

Piezometric variations in the basaltic massif beneath the Itaipu hydroelectric plant (Brazil/Paraguay border): Right Buttress Dam

Plasmonic and diffractive nanostructures for light trapping—an experimental comparison

Potential Solutions for Minimizing Voltage Sags Caused by DG Anti-Islanding Protection

A Practical Method for Nondetection Zone Estimation of Passive Anti-Islanding Schemes Applied to Synchronous Distributed Generators

A procedure to analyze the impact of three-phase unbalanced conditions on switching overvoltages in systems with Distributed Generation

Real-time load estimation for distribution feeders

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

Software defined networking applied to the heterogeneous infrastructure of Smart Grid

Spatial resolution effect of light coupling structures

A study of the alterability of basaltic lithotypes from the Itaipu Dam site (southern Brazil)

Thermophilic hydrogen production from sugarcane bagasse pretreated by steam explosion and alkaline delignification

Three-degree-of-freedom hybrid piezoelectric-inductive aeroelastic energy harvester exploiting a control surface

A three-phase four-wire grid-connected photovoltaic system using a dual unified power quality conditioner

Torque control of a dc machine for wind turbine emulation

Tracking Algorithms and Voltage Controllers Used to Obtain the Maximum Power Point of PV Arrays

The use of the carbon/nitrogen ratio and specific organic loading rate as tools for improving biohydrogen production in fixed-bed reactors

2014:

Adaptive threshold for electrical disturbances segmentation

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

AnSBBR with circulation applied to biohydrogen production treating sucrose based wastewater: Effects of organic loading, influent concentration and cycle length

Artificial neural network based approach for anti-islanding protection of distributed generators

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

The benefits of soft sensor and multi-rate control for the implementation of wireless networked control systems

Biomethane Production in an AnSBBR Treating Wastewater from Biohydrogen Process

Comparison of thermal performance between test cells with different coverage systems for experimental typical day of heat in Brazilian Southeastern

Continuous thermophilic hydrogen production and microbial community analysis from anaerobic digestion of diluted sugar cane stillage

Deployment and implementation of the Grundfos' sustainability strategy by means of the ecodesign maturity model

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

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

Effect of organic loading rate on hydrogen production from sugarcane vinasse in thermophilic acidogenic packed bed reactors

On electrical power evaluation in dq coordinates under sinusoidal unbalanced conditions

Evaluation of weathering of basaltic lithotypes based on pH, electrical conductivity, and point-load strength tests

Evaluation of under-excitation limiter actuation under unbalanced load conditions

Fault location in distribution systems based on smart feeder meters

Flexible Wireless Sensor Network for smart lighting applications

Hydrogen production from cheese whey with ethanol-type fermentation: Effect of hydraulic retention time on the microbial community composition

Hydrogen production from diluted and raw sugarcane vinasse under thermophilic anaerobic conditions

Impact of organic loading rate on biohydrogen production in an up-flow anaerobic packed bed reactor (UAnPBR)

Influence of structural nonlinearities in stall-induced aeroelastic response of pitching airfoils

An intelligent control system used to improve energy production from alternative sources with DC/DC integration

Life cycle assessment of the sugarcane bagasse electricity generation in Brazil

Modeling and evaluation of the protection of distributed synchronous generators connected to unbalanced systems

Multi-agent systems applied to topological reconfiguration of smart power distribution systems

A multi objective sound quality optimization of electric motor noise in hybrid vehicles

Novel hybrid electric motor glider-quadrotor MAV for in-flight/V-STOL launching

Organic loading rate impact on biohydrogen production and microbial communities at anaerobic fluidized thermophilic bed reactors treating sugarcane stillage

A robust neural method to estimate torque in three-phase induction motor

A novel low cost power converter topology for active power injection in low voltage monophasic power line from fuel cells

SquidCop: Design and evaluation of a novel quadrotor MAV for in-flight launching air-to-ground missions

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

Sugarcane vinasse as substrate for fermentative hydrogen production: The effects of temperature and substrate concentration

Systematization of best practices for ecodesign implementation

Thermal Analysis of a Rear Drum Brake for Lightweight Passenger Vehicles

Three-phase VSI supplied by renewable energy sources and controlled in voltage and power modes for grid-tie operation

Use of artificial neural networks for completing data series streamflow hydrologic

2013:

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

Analysis of PV generation impacts on voltage imbalance and on voltage regulation in distribution networks

Application of artificial neural networks for discrimination of nonlinear loads

Burst pressure of pipelines containing corrosion defects: Model error analysis

A comparative study of different slot configurations for PM brushless machines used for vehicle traction

Comparison of the use of sucrose and glucose as a substrate for hydrogen production in an upflow anaerobic fixed-bed reactor

Decision making in intelligent electrical systems using distributed artificial intelligence and heuristic methods

Dimensionless analysis and scaling of a hybrid 3DOF airfoil-based piezoelectric inductive aeroelastic energy harvester

Ecodesign maturity model: A management framework to support ecodesign implementation into manufacturing companies

Ecom2 web portal: Collecting empirical data and supporting companies' ecodesign implementation and management

Effectiveness of strategic environmental assessment applied to renewable energy in Brazil

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

Electroaeroelastic analysis of airfoil-based wind energy harvesting using piezoelectric transduction and electromagnetic induction

Electroaeroelastic modeling and analysis of a hybrid piezoelectric- inductive flow energy harvester

Evaluation of Volts/Hertz and over-excitation limiters acting under unbalanced load conditions

The faults variability in distribution systems with distributed generation and robustness of smart grids

Fuzzy positive feedback for islanding mode detection in distributed generation

A grid-connected multilevel converter for interfacing PV arrays and energy storage devices

A grid-connected photovoltaic power system with active power injection, reactive power compensation and harmonic filtering

Hydrogen production in an upflow anaerobic packed bed reactor used to treat cheese whey

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

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

Investigation on voltage sags caused by DG anti-islanding protection

Load profile identification interface for consumer online monitoring purposes in smart grids

A methodology for training artificial neural networks for islanding detection of distributed generators

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

Neuro-fuzzy approach to estimate the torque in three-phase induction motors with unbalanced power

Nondetection index of anti-islanding passive protection of synchronous distributed generators

Operation of a three-phase power converter connected to a distribution system

Protection of the distribution lines against lightning overvoltages by surge arrester in the context of distributed generation and smart grids

Protection of the distribution lines with distributed generation against lightning overvoltages in the context of smart grids

Reduction of positive feedback gain on Anti-islanding method based on frequency

Reliability analysis of buried pipelines subject to corrosion: case study

2012:

Aerodynamic Analysis Of High Rotation And Low Reynolds Number Propeller

Analytical tools to assess the voltage stability of induction-based distributed generators

Design of a comb generator for high capacity coherent-WDM systems

Development of an autonomous aquatic vehicle employed on special activities

Effect of feed strategy on methane production and performance of an AnSBBR treating effluent from biodiesel production

Extruded cement based composites reinforced with sugar cane bagasse fibres

Hydrogen production and consumption of organic acids by a phototrophic microbial consortium

Improved low-voltage-ride-through capability of fixed-speed wind turbines using decentralised control of STATCOM with energy storage system

The influence of the degree of back-mixing on hydrogen production in an anaerobic fixed-bed reactor

Investigation of the impacts of large-scale wind power penetration on the angle and voltage stability of power systems

A model-based approach for small-signal stability assessment of unbalanced power systems

A new control architecture for robust controllers in rear electric traction passenger HEVs

Nondetection index of anti-islanding passive protection of synchronous distributed generators

Operational planning of hydrothermal systems based on a fuzzy-PSO approach

Parameter uncertainty and stochastic optimization of cantilever piezoelectric energy harvesters

Performance and composition of bacterial communities in anaerobic fluidized bed reactors for hydrogen production: Effects of organic loading rate and alkalinity

Piezoaeroelastic typical section for wind energy harvesting