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| Renewable and Alternative Energies and Bioenergies | 01-01 | Biodegradación de hidrolizados tanínicos, a biotecnología de recovery of zotini antioxidants | Aguilera C.N. | Raúl Rodríguez Herrera, Antonio Aguilera Carbo, Alberto Acacio-Valdes, Anely Prado Barahán, Leonardo Sepúlveda-Torres, Juan Buonarroti Figueroa, José L. Martínez, Juan Carlos Contreras-Esguivel |
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| Renewable and Alternative Energies and Bioenergies | 01-03 | Aislamiento de bacterias fermentadoras de xilosa y arabinosa como potenciales productoras de hidrogeno | Campos I.M. | S.F. Aquino, S.Q. Silva |
| Renewable and Alternative Energies and Bioenergies | 01-04 | Assessment of marine and run of river energy potential and the requirements for engineering higher education and research institutions to support the industry in Colombia | Colmenares-Quintero R.F. | Garrett Davies, Natalia Arure Alvarez-Rojas, Sandy Kerr, Colin Bullen |
| Renewable and Alternative Energies and Bioenergies | 01-05 | Combustion of nitrocellulose shells: evaluation of kinetic and thermodynamic parameters | Correia Santos Gomes da Silva J. | João Luís Francisco Alves, Wendell Venício de Azevedo Galvão, José Vilcor Scharf, Humberto Jorge José |
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| Renewable and Alternative Energies and Bioenergies | 01-09 | Secretomas fúngicos en la producción de bioetanol a partir de biomasa de Panicum pruriens | Gauna, A. | Larran, A.; Perotti, V.; Jozami, E.; Podestà, F.; Feldman, S.; Perringeatt, H. |
| Renewable and Alternative Energies and Bioenergies | 01-11 | Bioetanol de segunda generación: Modificación de la pared vegetal para disminuir el pretratamiento de la biomasa | Griñólia M.J. | D. J. Perrella, D. J. Gomez-Casati y M.V. Busi |
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| Wastewater Treatment | 09-62 | Eficiencia de remoción de contaminantes en un efluente acuático utilizando cultivos de microalgas | Hernández-Flores G. | Hernández-Flores G. |
| Wastewater Treatment | 09-63 | Análisis electroanalítico electrocoagulación sistema using Ti/PbO ₂ anódo electrode for crystal violet dye removal | Hernández-Flores G. | Hernández-Flores G. |
| Wastewater Treatment | 09-65 | EVALUACIÓN DE LA FLOCULACIÓN INDUCIDA DE <i>Chlorella vulgaris</i> POR SULFATO DE ALUMINIO Y BICARBONATO SODIO | Hernández-Flores G. | Hernández-Flores G. |
| Wastewater Treatment | 09-66 | TiO ₂ Synthesis and Photocatalytic Experiments for the Determination of Photonic and Quantum Efficiencies | Hernández-Flores G. | Hernández-Flores G. |
| Risk Assessment and Environmental Impact | 10-01 | Anionic surfactant quantification in Ipoquera River and textile laundry wastewater in the Caruaru city, northeastern Brazil | Hernández-Flores G. | Hernández-Flores G. |
| Risk Assessment and Environmental Impact | 10-02 | Diagnóstico y evaluación de la contaminación ambiental en el pasivo minero Concordia (Dpto. de los Andes-Prov. Salta) | Hernández-Flores G. | Hernández-Flores G. |
| Risk Assessment and Environmental Impact | 10-03 | EL IMPACTO DE LAS COLLAS DE CIGARRILLO SOBRE LOS ECOSISTEMAS HÍDRICOS. CASO: ZONAS DE BARES Y DISCOTECAS DE BOGOTÁ D.C. | Hernández-Flores G. | Hernández-Flores G. |
| Risk Assessment and Environmental Impact | 10-04 | Trace metal accumulations in sediment and in different organs of <i>Phragmites communis</i> tr. along the Calore, Sarno and Volturno rivers | Hernández-Flores G. | Hernández-Flores G. |
| Control and Modeling of Environmental Processes | 11-01 | Characterization of effluent containing paracetamol | Hernández-Flores G. | Hernández-Flores G. |
| Control and Modeling of Environmental Processes | 11-02 | Development of an anaerobic digestion system to determine bioreactivity potential of biogas | Hernández-Flores G. | Hernández-Flores G. |
| Control and Modeling of Environmental Processes | 11-03 | Development of a numerical methodology for solving the dispersed-flow model applied to the design of reactors used in wastewater treatment bioprocesses | Hernández-Flores G. | Hernández-Flores G. |
| Control and Modeling of Environmental Processes | 11-04 | Application of mathematical model to the sulfate removal process in anaerobic fixed bed bioreactor operated in fed-batch mode | Hernández-Flores G. | Hernández-Flores G. |
| Control and Modeling of Environmental Processes | 11-06 | Predicting attenuation of solar UV-B, UV-A and photosynthetically available radiation (PAR) in waste stabilization ponds under Sahelian climatic conditions | Hernández-Flores G. | Hernández-Flores G. |
| Environmental Chemistry | 12-01 | Estudio de los espectros IR y las propiedades ácido base de sustancias húmicas sedimentarias de la Cuenca Matanza Riachuelo (Argentina) | Hernández-Flores G. | Hernández-Flores G. |
| Environmental Chemistry | 12-02 | Estudio cinético y degradación del Tricloro y Tricloro en suelos agrícolas emmendados con compost. | Hernández-Flores G. | Hernández-Flores G.</ |

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| Environmental engineering | 14-05 | HYDRAULIC BASELINE OF HIGH RATE CONSTRUCTED WETLANDS FILLED WITH PLASTIC SUPPORT MEDIA | Corzo A. | D.A. Sanabria (1) , M. García (2) |
| Environmental engineering | 14-08 | Predicción del comportamiento de microorganismos en aguas | Guilherme Cacchiabue D. | M.S. Vicente (1,2) V.B. Rajal (1,2) |
| Environmental engineering | 14-13 | Valorización conjunta de glicerol y residuos de lodos activados de un reactor MBR para la producción de ácidos grasos volátiles | Seluy L. G. | M.A. Isla (1,2) , M.J. Moya Llamas (3) , J. Melgarejo Moreno (3) , D. Prats Rico (3) |
| Environmental engineering | 14-14 | Compare different chemical agents aiming carotenogenesis the microalgae Haematococcus pluvialis | Vasconcelos Ferreira Lemos R. | Rodrigo José da Silva (1) , Nathalia de Oliveira Silva (2) and Thiago Cavalcanti Silva (2,3) |
| Environmental engineering | 14-15 | DESEMPEÑO DE SUELOS PARA USO PECUARIO CONSTRUIDOS CON GEOTEXTILES Y MATERIAL GRANULADO | Vitón M. | Nicolas Riera , Diana Crespo |
| Environmental engineering | 14-16 | Airborne bacterial spores inactivation with UV radiation over TiO 2 coated glass rings | Zacarias S. M. | Viviana M. E. (1) , Adriano O.M. (1, 3) Sauf M. L. * (1,3) |
| Environmental engineering | 14-18 | Constructed wetland: an ecological engineering tool for restoration of protected wetlands | Pétri M.-E. | V. Masotti, M.-D. Saklucic, S. Fayolle, B. Oursel, L. Vassallo, L. Malleret, I. Laffont-Schwob |
| Environmental engineering | 14-20 | ENERGY EFFICIENCY OF THE PUBLIC AUTOMATED LIGHTING: Case Study in Caruaru city. | D.C. Ferreira da Fonseca | F.A. Gonçalves Matos, I.G. Alves Melo da Silva, M.K. Amorim Silva, M.G. Alves Leite, U.E. Firmino Alves |
| Environmental Nanotechnology | 15-01 | Green synthesis of nanoparticles with natural extracts | Sánchez-López K. B. | Poggi-Viraldo H. M., García-Alocha M., Camacho Pérez B., Cabañas-Moreno J. G., Solorza-Feró O., Bahena-Urbe D. |
| Environmental Nanotechnology | 15-03 | NPAgs para eliminación de bacterias coliformes y mesofílicas de aguas potables y residuales | Camargo Sánchez María del Socorro | Ariel Guzmán Vargas, María de Lourdes Moreno Rivera, Diesselina Álvarez Bernal, Marina Olivia Franco Hernández |
| Environmental Nanotechnology | 15-04 | Effect of native and oxidized corn starch-polystyrene blends under reactive extrusion conditions using zinc octanoate as catalyst for the development of composite materials at pilot scale with application to food packaging | M. Paula Guarás | Andrés Torres Nicolini, Leandro Ludueña, Vera A. Alvarez, Tomy J. Gutiérrez |
| Environmental Nanotechnology | 15-05 | Production of Polymeric Nanofibers with Functional Particles by Electrospinning Process | Michele Greque de Morais | Bruna da Silva Vaz, Jorge Alberto Vieira Costa |
| Environmental Nanotechnology | 15-08 | Nano-iron membrane for treatment of chlorinated organic compounds | Luz Breton-Devial | Hector M. Poggi-Varaldo |
| Environmental Nanotechnology | 15-10 | Hybrid material from sodium acid ions and ZnO layered double hydroxide used as ecological pesticide | Erica Elizabeth Morales-Irigoyen | Yolanda de las Mercedes Gómez y Gómez, Jorge Luis Flores Moreno, Marina Olivia Franco Hernández |
| Environmental Nanotechnology | 15-12 | Study of the remotion of arsenic in water using a biocomposite based on magnetite nanoparticles supported on Tara gum | Cevallos M | R. Contreras, D. Reynoso, J. Quino, J. Rodriguez, C. Belver, A. Alvarez, J. Bedia, M. Tobajas and S. Ponce |
| Environmental Toxicology | 16-01 | Evaluación de la toxicidad de la materia orgánica biosecada mediante bioensayos con semillas de lechuga | A. B. Piña Guzmán | J. J. Ferris García, R. M. Contreras Cisneros |
| Environmental Toxicology | 16-02 | Uso de extractos vegetales como biocidas sobre bacterias sulfato-reductoras causantes de biocorrosión en metales de uso industrial | W Robles-González | VS Robles-González, EG González-Mondragón, RG De la Torre-Sánchez |
| Environmental Toxicology | 16-04 | Análisis de actividad antioxidante y betagluanos en tres setas silvestres del estado de Hidalgo. | López-Vázquez, E. | Prieto-García, F. |
| Environmental Toxicology | 16-05 | Análisis del efecto de las condiciones meteorológicas en precosecha sobre la acumulación de fumonisina en granos de maíz | Moschini R.C. | Martínez M. I. , Presello D.A. , Ferraguti F. , Cristos D. , Rojas D. |
| Climate change | 17-01 | Stress tolerance based on osmotic adjustment and yield of barley (Hordeum vulgare L.) submitted to progressive drought and subsequent recovery | Thameur, A. | S. Ferchichi, K. Hesiini, A. Ferchichi, C. Abdely |
| Environmental health | 18-01 | Biomonitoring of atmospheric metals with Tillandsia usneoides in an industrial critical zone of central Mexico | Lucho-Constantino, C. A. | C. I. Calvario-Rivera, L. M. Del Razo, G. A. Vázquez-Rodríguez, C. Solís, L.F. Juárez Santillán, R. I. Beltrán-Hernández |
| Environmental health | 18-02 | Variación de la calidad microbiológica de aguas y sedimentos de un río de Salta, Argentina con usos recreativos | Chávez Díaz, L. | Guilherme Cacchiabue, D., Rajal, V. |
| Environmental health | 18-05 | Mecanismo de estrés de Vallisneria americana con enriquecimiento de nutrientes y estequiometría N:NO 3:P | Ruiz Carrera V. | Jesús Rautista Reggi, Alberto J Sánchez, Miguel Ángel Salcedo Meza, Rosa Amanda Florido Araujo |