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Biociencia y Biotecnología

BIOTECNOLOGÍA Y BIOINGENIERÍA

ARTICULOS EN REVISTAS JCR - 2022

No.	AÑO	AUTORES	LINK
1	2022	Alberto Ordaz, Azucena Mota Gutiérrez, Eduardo González Iribarren, Calixto Ortega and Thalasso F. Removal of methanol vapors in a jet-loop bioscrubber equipped with a venturi injector. <i>Biochemical Engineering Journal</i> . Volumen: 185 Número: 108530 ISSN: 1369-703.	https://doi.org/10.1016/j.bej.2022.108530
2	2022	Aldo G. Orozco Lugo, Des C. McLernon, Mauricio Lara, Syed Ali Raza Zaidi, Brenda J. González, Omar Illescas, César I. Pérez Macías, Valentín Nájera Bello, José Alberto Balderas, José L. Pizano Escalante, Carlos Mex Perera and Rodríguez Vázquez R. Monitoring of water quality in a shrimp farm using a FANET. <i>Internet of Things</i> . Volumen: 18 Número: 100170 ISSN: 2543-1536.	https://doi.org/10.1016/j.iot.2020.100170
3	2022	Alejandra Gabriela Yáñez Vergara, Perla Xochilt Sotelo Navarro, Poggi Valardo HM, José Víctor Calderón Salinas, Rocío Sánchez Pérez y Yasuhiro Matsumoto Kuwabara. Analysis of legislation on biorefineries in Mexico. <i>Revista Internacional de Contaminación Ambiental</i> . Volumen: 38 Páginas: 111-142 ISSN: 0188-4999.	https://doi.org/10.20937/RICA.54314
4	2022	Alejandra Miranda Carrasco, Claudia Chávez López, Daniel Alejandro Ramírez Villanueva and Dendooven L. Bacteria in (vermi)composted organic wastes mostly survive when applied to an arable soil cultivated with wheat (<i>Triticum</i> sp. L.). <i>Environ Monit Assess</i> . Volumen: 194 Número: 363 ISSN: 0167-6369.	https://doi.org/10.1007/s10661-022-09996-5
5	2022	Alejandra Miranda Carrasco, Daniel Alejandro Ramírez Villanueva and Dendooven L. Greenhouse gas emissions of biosolid and cow manure during composting and vermicomposting and when applied to soil cultivated with wheat (<i>Triticum</i> sp. L.). <i>Environmental Science and Pollution Research</i> . Volumen: 29 Páginas: 24968-24982.	https://doi.org/10.1007/s11356-021-17624-x
6	2022	Alejandra Miranda Carrasco, Yendi E. Navarro Noya, Bram Govaerts, Nele Verhulst and Dendooven L. Nitrogen fertilizer application alters the root endophyte bacterial microbiome in maize plants, but not in the stem or rhizosphere soil. <i>Microbiology Spectrum</i> . Volumen: 10 Número: 6 ISSN: 2165-0497.	https://doi.org/10.1128/spectrum.01785-22
7	2022	Alfayuset Ochoa Chacón, Alfredo Martínez, Poggi Valardo HM, Lourdes Villa Tanaca, Ramos Valdivia AC and Ponce Noyola MT. Xylose metabolism in bioethanol production: <i>Saccharomyces cerevisiae</i> vs Non- <i>Saccharomyces</i> yeasts. <i>BioEnergy Research</i> . Volumen: 15 Páginas: 905-923.	https://doi.org/10.1007/s12155-021-10340-x
8	2022	Alfayuset Ochoa Chacón, Ramos Valdivia AC, Poggi Valardo HM, Lourdes Villa Tanaca, Alfredo Martínez and Ponce Noyola MT. Fermentation performance of a Mexican native <i>Clavospora lusitanae</i> strain for xylitol and ethanol production from xylose, glucose and cellobiose. <i>Enzyme and Microbial Technology</i> . Volumen: 160 Número: 110094 ISSN: 0141-0229.	https://doi.org/10.1016/j.enzymtec.2022.110094
9	2022	Amaury Abrego García, Poggi Valardo HM, Ponce Noyola MT, Calva Calva G, Cutberto José Juvenio Galindez Mayer, Gustavo G. Medina Mendoza and Noemí F. Rinderknecht Seijas. Bioprocessing of Two Crop Residues for Animal Feeding into a High-Yield Lovastatin Feed Supplement. <i>Animals</i> . Volumen: 12 Número: 19 ISSN: 2076-2615.	https://doi.org/10.3390/ani12192697
10	2022	Amaury Abrego García, Poggi Valardo HM, Vanía Shuhua Robles González, Ríos Leal E, Ponce Noyola MT, Calva Calva G, Daniel Alfonso Estrada Bárcenas y Alfredo Mendoza Vargas. Inhibición in vitro de la metanogénesis ruminal de una dieta alta en grano con lovastatina. <i>Revista Internacional de Contaminación Ambiental</i> . Volumen: 38 Páginas: 511-520.	https://doi.org/10.20937/RICA.54342
11	2022	Ana Sofia Lemus de la Cruz, Barrera Cortes J, Laura Patricia Lina García, Ramos Valdivia AC and Rosa Santillan. Nanoemulsified Formulation of Cedrela odorata Essential Oil and Its Larvicidal Effect against Spodoptera frugiperda (J.E. Smith). <i>Molecules</i> . Volumen: 27 Número: 9 ISSN: 1420-3049.	https://doi.org/10.3390/molecules27092975
12	2022	Anbu Landa Faz, Rodríguez Vázquez R, Teresa Guadalupe Roldán Carrillo, Hidalgo Lara ME, Aguilar Lopez R and Mariano Enrique Cebrán García. Bioremediation of an agricultural saline soil contaminated with endosulfan and <i>Escherichia coli</i> by an active surface agent induced in a <i>Penicillium crustosum</i> culture. <i>Preparative Biochemistry & Biotechnology</i> . Volumen: 52 Número: 292-301.	https://doi.org/10.1080/10826068.2021.1941104
13	2022	Berenice Calderón Pérez, José Abrahán Ramírez Pool, Leandro Alberto Núñez Muñoz, Brenda Yazmín Vargas Hernández, Abel Camacho Romero, Mariana Lara Villamar, Domingo Jiménez López, Xoconostle Cazares BG and Ruiz Medrano R. Engineering macromolecular trafficking into the citrus vasculature. <i>Frontiers in Plant Science</i> . Volumen: 13 Número: 818046 ISSN: 1664-462.	https://doi.org/10.3389/fpls.2022.818046
14	2022	Brenda Yazmín Vargas Hernández, José Abrahán Ramírez Pool, Leandro Alberto Núñez Muñoz, Berenice Calderón Pérez, Rodolfo de la Torre Almaraz, Jesús Hinojosa Moya, Xoconostle Cazares BG and Ruiz Medrano R. Development of a droplet digital polymerase chain reaction (ddPCR) assay for the detection of Tomato brown rugose fruit virus (ToBRFV) in tomato and pepper seeds. <i>Journal of Virological Methods</i> . Volumen: 302 Número: 114466 ISSN: 0166-0934.	https://doi.org/10.1016/j.jviromet.2022.114466
15	2022	Brenda Yazmín Vargas Hernández, Leandro Núñez Muñoz, Berenice Calderón Pérez, Xoconostle Cazares BG and Ruiz Medrano R. The NAC transcription factor ANAC087 induces aerial rosette development and leaf senescence in <i>Arabidopsis</i> . <i>Frontiers in Plant Science</i> . Volumen: 13 Número: 818107 ISSN: 1664-462.	https://doi.org/10.3389/fpls.2022.818107
16	2022	Carlos Escamilla Alvarado, Giovanni Hernandez Flores, Luz de María Bretón Deval, Perla Xochilt Sotelo Navarro y Poggi Valardo HM. Environment and Energy. <i>Revista Internacional de Contaminación Ambiental</i> . Volumen: 38 ISSN: 0188-4999.	https://doi.org/10.20937/RICA.54827
17	2022	Daniela Roa Velázquez, Xoconostle Cazares BG, Claudia G. Benítez Cardoza, Ortega Lopez J, Liora Shoshani, Edgar Morales Ríos and Salvador Gallardo Hernández. Expression, purification, and refolding of the recombinant extracellular domain B1-subunit of the dog Na434343/K434343-ATPase of the epithelial cells. <i>Protein Expression and Purification</i> . Volumen: 200 Número: 106167.	https://doi.org/10.1016/j.pep.2022.106167
18	2022	Eduardo Alvarado Santos, Juan L. Mata Machuca, Pablo A. López Pérez, Rubén A. Garrido Motezuma, Pérez Guevara F and Aguilar Lopez R. Comparative analysis of a family of sliding mode observers under real-time conditions for the monitoring in the bioethanol production. <i>Fermentation-Basel</i> . Volumen: 8 Número: 446 ISSN: 2311-5637.	https://doi.org/10.3390/fermentation8090446
19	2022	Pérez Guevara F, Priyadarsi D. Roy, Gurusamy Kutralam Muniasamy and Venkata Chari S. Coverage of microplastic data underreporting and progress toward standardization. <i>Science of the Total Environment</i> . Volumen: 829 Número: 154727 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2022.157722
20	2022	Pérez Guevara F, Priyadarsi D. Roy, I. Elizalde Martínez, Gurusamy Kutralam Muniasamy and Venkata Chari S. Human exposure to microplastics from urban decentralized pay-to-fetch drinking-water refill kiosks. <i>Science of the Total Environment</i> . Volumen: 848 Número: 157722 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2022.157722
21	2022	Thalasso F, Armando Sepulveda Jauregui, Léa Cabrol, Céline Lavergne, Nazi Olgun, Karla Martínez Cruz, Polette Aguilar Muñoz, Natalia Calle, Andrés Mansilla and María Soledad Astorga España. Methane and carbon dioxide cycles in lakes of the King George Island, maritime Antarctica. <i>Science of the Total Environment</i> . Volumen: 848 Número: 157485 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2022.157485
22	2022	Gurusamy Kutralam Muniasamy, Pérez Guevara F, Priyadarsi D. Roy, Ignacio Elizalde Martínez and Venkata Chari S. Surface water quality in the upstream of the highly contaminated Santiago River (Mexico) during the COVID-19 lockdown. <i>Environmental Earth Sciences</i> . Volumen: 81 Número: 316 ISSN: 1866-6280.	https://doi.org/10.1007/s12665-022-10430-9
23	2022	Gurusamy Kutralam Muniasamy, Pérez Guevara F and Venkata Chari S. (Micro)plastics: A possible criterion for beach certification with a focus on the Blue Flag Award. <i>Science of the Total Environment</i> . Volumen: 803 Número: 150051 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2021.150051
24	2022	José Abrahán Ramírez Pool, Xoconostle Cazares BG, Berenice Calderón Pérez, Enrique Ibarra Laclette, Emanuel Villafán, Rosalía Lira Carmona and Ruiz Medrano R. Transcriptomic Analysis of the Host Response to Mild and Severe CTV Strains in Naturally Infected Citrus sinensis Orchards. <i>International Journal of Molecular Sciences</i> . Volumen: 23 Número: 2435 ISSN: 1422-0067.	https://doi.org/10.3390/ijms23052435
25	2022	Salazar Montoya JA, Stephanie Hereira Pacheco, Alfredo Cruz Orea and Ramos Ramirez EG. Composition, antioxidant activity and rheological characteristics of spreadable pastes with blackberry pulp (<i>Rubus fruticosus</i>). <i>Journal of Food Measurement and Characterization</i> . Volumen: 16 Número: 2 Páginas: 1459-1471 ISSN: 2193-4126.	https://doi.org/10.1007/s11694-022-01279-4
26	2022	K.A. Carrillo Verastegui, Carlos Escamilla Alvarado, C.E. Escárcega González, J.J. Cano Gómez, D. Paniagua Vega, I. Nava Bravo and Ríos Leal E. Biohydrogen potential assessment of <i>Opuntia</i> spp.: Effect of inoculum-to-substrate ratio and residual biomass evaluation. <i>International Journal of Hydrogen Energy</i> . Volumen: 47 Número: 70 Páginas: 30085-30096 ISSN: 0360-3199.	https://doi.org/10.1016/j.ijhydene.2022.06.138
27	2022	Karla Rivera Márquez, Leandro Alberto Núñez Muñoz, Berenice Calderón Pérez, Rodolfo de la Torre Almaraz, Brenda Yazmín Vargas Hernández, Ruiz Medrano R and Xoconostle Cazares BG. Bioinformatic-based approach for mutagenesis of plant immune Tm-2(2) receptor to confer resistance against tomato brown rugose fruit virus (ToBRFV). <i>Frontiers in Plant Science</i> . Volumen: 13 Número: 984846 ISSN: 1664-462.	https://doi.org/10.3389/fpls.2022.984846
28	2022	Lory Stephany Rochín Hernández, Lory Jhenifer Rochín Hernández and Flores Cotera LB. Endophytes, a potential source of bioactive compounds to curtail the formation-accumulation of advanced glycation end products: A Review. <i>Molecules</i> . Volumen: 27 Número: 4469 ISSN: 1420-3049.	https://doi.org/10.3390/molecules27144469



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29	2022	Luis F. Calderón Soto, Irma López Gutiérrez, Casandra Valencia Ojeda, Aguilar Lopez R, Felipe Alatríste Mondragón and Ricardo Femat. Two-stage continuous biomethane production from enzymatic hydrolysate of agave bagasse: Modelling, identification and control. <i>Journal of Process Control</i> . Número: 120 Páginas: 14-27.	https://doi.org/10.1016/j.jprocont.2022.10.007
30	2022	Maialen Barret, Laure Gandois, Thalasso F, Karla Martínez Cruz, Armando Sepúlveda Jauregui, Céline Laverne, Roman Teisserenc, Polette Aguilar Muñoz, Oscar Gerardo Nieto, Claudia Etchebehere, Bruna Martins Dellagnezze, Patricia Bovio Winkler, Gilberto J. Fochesatto, Nikita Tananaev, Mette M. Svenning, Christophe Seppey, Alexander Tveit, Rolando Chamy, María Soledad Astorga España, Andrés Mansilla, Anton Van de Putte, Maxime Sweetlove, Alison E. Murray and Léa Cabrol. A combined microbial and biogeochemical dataset from high-latitude ecosystems with respect to methane cycle. <i>Scientific Data</i> . Volumen: 9 Número: 2052-4463.	https://doi.org/10.1038/s41597-022-01759-8
31	2022	Mario Fragoos Saavedra, Carmen Ramírez Estudillo, Diana L. Peláez González, Jorge O. Ramos Flores, Gustavo Torres Franco, Leandro Nuñez Muñoz, Gabriel Marcelino Pérez, María G. Segura Covarrubias, Rogelio González González, Ruiz Medrano R, Xoconostle Cazares BG, Amanda Gayosso Vázquez, Silvia Reyes Maya, Vianey Ramírez Andoney, Rogelio A. Alonso Morales and Marco A. Vega López. Combined Subcutaneous-Intranasal Immunization With Epitope-Based Antigens Elicits Binding and Neutralizing Antibody Responses in Serum and Mucosae Against PRRSV-2 and SARS-CoV-2. <i>Frontiers in Immunology</i> . Volumen: 13 Número: 848054 ISSN: 1664-3224.	https://doi.org/10.3389/fimmu.2022.848054
32	2022	Mario Hernández Guzmán, Valentín Pérez Hernández, Selene Gómez Acata, Norma Jiménez Bueno, Nele Verhulst, Ligia Catalina Muñoz Arenas, Yendi E. Navarro Noya, Marco L. Luna Guido and Dendooven L. Application of young maize plant residues alters the microbiome composition and its functioning in a soil under conservation agriculture: a metagenomics study. <i>Archives of Microbiology</i> . Volumen: 204 Número: 458 ISSN: 0302-8933.	https://doi.org/10.1007/s00203-022-03060-z
33	2022	Mario Hernández Guzmán, Valentín Pérez Hernández, Yendi E. Navarro Noya, Marco L. Luna Guido, Nele Verhulst, Bram Govaerts and Dendooven L. Application of ammonium to a N limited arable soil enriches a succession of bacteria typically found in the rhizosphere. <i>Scientific Reports</i> . Volumen: 12 Número: 4110 ISSN: 2045-2322.	https://doi.org/10.1038/s41598-022-07623-4
34	2022	Naxhie López Reyes, Amaury Abrego García y Poggi Valardo HM. Inhibition mechanisms of methanogenesis with lovastatin and analysis of gene expression. <i>Revista Internacional de Contaminación Ambiental</i> . Volumen: 38 Página: 58-67 ISSN: 0188-4999.	https://doi.org/10.20937/RICA.54357
35	2022	Paul García Bucio, Perla Xochilt Sotelo Navarro, Poggi Valardo HM, Canizares Villanueva RO y Carlos Escamilla Alvarado. Circular bioeconomy indicators for utilization of the organic fraction of municipal solid waste. <i>Revista Internacional de Contaminación Ambiental</i> . Volumen: 38 Páginas: 78-92 ISSN: 0188-4999.	https://doi.org/10.20937/RICA.54350
36	2022	Perla Xochilt Sotelo Navarro, Poggi Valardo HM, Juan Pablo Chargo Amador, Amalia Sojo Benítez, Miguel Ángel Pérez Angón y Rocío Sánchez Pérez. Environmental impacts of an HMEZS biorefinery. <i>Revista Internacional de Contaminación Ambiental</i> . Volumen: 38 Páginas: 48-57 ISSN: 0188-4999.	https://doi.org/10.20937/RICA.54332
37	2022	Aguilar Lopez R, Sergio A. Medina Moreno, Ashutosh Sharma and Edgar N. Tec Caamal. Synergistic Effect of As(III)/Fe(II) Oxidation by Acidianus brierleyi and the exopolysaccharide matrix for As(V) removal and bioscorodite crystallization: A data-driven modeling insight. <i>Processes</i> 10(2363): 1-19: 2022. Volumen: 10 Número: 2363.	https://doi.org/10.3390/pr10112363
38	2022	Rosa María Pineda Mendoza, Gerardo Zúñiga, María Fernanda López, Hidalgo Lara ME, Alejandro Santiago Hernández, Azucena López López, Flor N. Rivera Orduña and Claudia Cano Ramírez. Rahnella sp., a dominant symbiont of the core gut bacteriome of Dendroctonus species, has metabolic capacity to degrade xylan by bifunctional xylanase-ferulic acid esterase. <i>Frontiers in Microbiology</i> . Volumen: 13 Número: 911269 ISSN: 1664-302.	https://doi.org/10.3389/fmicb.2022.911269
39	2022	Salih Ahmad, Ana Paula Pinto, Faisal Ibney Hai, Mohamed El-Taher Ibrahim Badawy, Rodríguez Vázquez R, Tatheer Alam Naqvi, Farooq Hussain Munis, Tariq Mahmood and Hassan Javed Chaudhary. Dimethoate residues in Pakistan and mitigation strategies through microbial degradation: a review. <i>Environmental Science and Pollution Research</i> . Volumen: 29 Páginas: 51367-51383.	https://doi.org/10.1007/s11356-022-20933-4
40	2022	Sebastian Lorenzo Benito, Luis Alberto Rivera Rivas, Lizbeth Sánchez Ayala, Ortega Lopez J, Octavio Montes Flores, Daniel Talamás Lara and Rossana Arroyo. Omics analyses of Trichomonas vaginalis actin and tubulin and their participation in intercellular interactions and cytokinesis. <i>Genes</i> . Volumen: 13 Número: 1067 ISSN: 2073-4425.	https://doi.org/10.3390/genes13061067
41	2022	Teresa Aguirrezabala Campano, Rodrigo Gonzalez Valencia, Viani García Pérez, Rocío Torres Alvarado, Sunitha R. Pangala and Thalasso F. Spatial and seasonal dynamics of the methane cycle in a tropical coastal lagoon and its tributary river. <i>Science of the Total Environment</i> . Volumen: 825 Número: 154074 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2022.154074
42	2022	Tessy López Goerne, Gabriela de la Rosa Gutiérrez, Francisco J. Padilla Godínez, Jaime Bustos Martínez, Susana López, Xoconostle Cazares BG and José Manuel de la Rosa. Inhibition of Influenza A (H1N1) Virus Infection by Pt/TiO2-SiO2 Bionanocatalysts. <i>Current Nanoscience</i> . Volumen: 18 Número: 6 Páginas: 733-742 ISSN: 1573-4137.	https://doi.org/10.2174/157341371766621118110801
43	2022	Venkata Chari S, Pérez Guevara F, Priyadarsi D. Roy and Gurusamy Kutralam Muniasamy. Strengthening citizen science partnerships with frontline sanitation personnel to study and tackle plastic pollution. <i>Environmental Science and Policy</i> . Volumen: 137 Páginas: 70-74 ISSN: 1462-9011.	https://doi.org/10.1016/j.envsci.2022.08.011
44	2022	Venkata Chari S, Pérez Guevara F, Priyadarsi D. Roy and Gurusamy Kutralam Muniasamy. Analyzing microplastics with Nile Red: Emerging trends, challenges, and prospects. <i>Journal of Hazardous Materials</i> . Volumen: 423 Número: 127171 ISSN: 0304-3894.	https://doi.org/10.1016/j.jhazmat.2021.127171
45	2022	Venkata Chari S, Gurusamy Kutralam Muniasamy, Pérez Guevara F, Priyadarsi D. Roy and I. Elizalde Martínez. Occurrence and characteristics of atmospheric microplastics in Mexico City. <i>Science of the Total Environment</i> . Volumen: 847 Número: 157601 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2022.157601
46	2022	Venkata Chari S, Gurusamy Kutralam Muniasamy, Pérez Guevara F, Priyadarsi D. Roy and I. Elizalde Martínez. Free, but not microplastic-free, drinking water from outdoor refill kiosks: A challenge and a wake-up call for urban management. <i>Environmental Pollution</i> . Volumen: 39 Número: 119800 ISSN: 0269-7491.	https://doi.org/10.1016/j.envpol.2022.119800
47	2022	Victor Manuel Dzul Huchim, María Jesús Ramírez Sierra, Pedro Pablo Martínez Vega, Miguel Enrique Rosado Vallado, Víctor Ermilo Arana Argaez, Ortega Lopez O, Fabian Gusovsky, Eric Dumonteil, Julio Vladimir Cruz Chan, Peter Hotez, María Elena Bottazzi and Liliana Estefanía Villanueva Lizama. Vaccine-linked chemotherapy with a low dose of benzimidazole plus a bivalent recombinant protein vaccine prevents the development of cardiac fibrosis caused by Trypanosoma cruzi in chronically-infected BALB/c mice. <i>Plos Neglected Tropical Diseases</i> . Volumen: 16 Número: 9.	https://doi.org/10.1371/journal.pntd.0010258
48	2022	Yaneth Bartolo Aguilar, Cipriano Chávez Cabrera, Flores Cotera LB, Jesús Agustín Badillo Corona, Carmen Oliver Salvador and Marsch Moreno R. The potential of cold-shock promoters for the expression of recombinant proteins in microbes and mammalian cells. <i>Journal of Genetic Engineering and Biotechnology</i> . Volumen: 20 Número: 173.	https://doi.org/10.1186/s43141-022-00455-9
49	2022	Yendi E. Navarro Noya, Yosef Chávez Romero, Stephanie Hereira Pacheco, Arit Seleny de León Lorenzana, Bram Govaerts, Nele Verhulst and Dendooven L. Bacterial communities in the rhizosphere at different growth stages of maize cultivated in soil under conventional and conservation agricultural practices. <i>Microbiology Spectrum</i> . Volumen: 10 Número: 2 ISSN: 2165-0497.	https://doi.org/10.1128/spectrum.01834-21