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Biociencia y Biotecnología

BIOTECNOLOGÍA Y BIOINGENIERÍA

ARTICULOS EN REVISTAS JCR - 2023

No.	AÑO	AUTORES	LINK
1	2023	Alehlí Holguín Salas, Thalasso F and Enrique Galindo. Analysis of the local gas hold-up, under constant retrofitted power input in a multiphasic mycelial fermentation model. Chemical Engineering Research and Design. Volumen: 195 Páginas: 378-389 ISSN 0263-8762.	https://doi.org/10.1016/j.cherd.2023.06.005
2	2023	Asunción Guadalupe Morales Mendoza, Ana Karen Ivanna Flores Trujillo, Jesús Adriana Ramírez Castillo, Salvador Gallardo Hernández and Rodríguez Vázquez R. Effect of micro-nanobubbles on arsenic removal by Trichoderma atroviride for bioscorodite generation. Journal of Fungi. Volumen: 9 Número: 8 eISSN: 2309-608.	https://doi.org/10.3390/jof9080857
3	2023	Azucena López López, Alejandro Santiago Hernández, Maribel Cayetano Cruz, Yolanda García Huante, Jorge E. Campos, Ismael Bustos Jaimes, Marsch Moreno R, Claudia Cano Ramírez, Claudia G. Benítez Cardoza and Hidalgo Lara ME. TtCel7A: A native thermophilic bifunctional cellulose/xylanase exoglucanase from the thermophilic biomass-degrading fungus thielavia terrestris Co3Bag1, and its application in enzymatic hydrolysis of agroindustrial derivatives. Journal of Fungi. Volumen: 9 Número: 2 eISSN: 2309-608X.	https://doi.org/10.3390/jof9020152
4	2023	Xoconostle Cazares BG, José Abrahán Ramírez Pool, Leandro Alberto Núñez Muñoz, Berenice Calderón Pérez, Brenda Yazmín Vargas Hernández, Rafael Bujanos Muñiz and Ruiz Medrano R. The characterization of Melanaphis sacchari microbiota and antibiotic treatment effect on insects. Insects. Volumen: 10 Número: 807 eISSN: 2075-4450.	https://doi.org/10.3390/insects14100807
5	2023	Brenda Beatriz Xoconostle Morán, Xoconostle Cazares BG, Brenda Yazmín Vargas Hernández, Leandro Alberto Núñez Muñoz, Berenice Calderón Pérez and Ruiz Medrano R. Long-distance movement of solanum tuberosum translationally controlled tumor protein (StTCTP) mRNA. Plants. Volumen: 12 Número: 15 eISSN: 2223-7747.	https://doi.org/10.3390/plants12152839
6	2023	Christophe V. W. Seppely, Léa Cabrol, Thalasso F, Laure Gandois, Céline Lavergne, Karla Martínez Cruz, Armando Sepulveda Jauregui, Polette Aguilar Muñoz, María Soledad Astorga España, Rolando Chamy, Bruna Martins Dellagneze, Claudia Etchebehere, Gilberto J. Fochesatto, Oscar Gerardo Nieto, Andrés Mansilla, Alison Murray, Maxime Sweetlove, Nikita Tananaev, Roman Teisserenc, Alexander T. Tveit, Anton Van de Putte, Mette M. Svenning and Maialen Barret. Biogeography of microbial communities in high-latitude ecosystems: Contrasting drivers for methanogens, methanotrophs and global prokaryotes. Environmental microbiology. Volumen: 25 Páginas: 3364-3386 ISSN: 1462-2912.	https://doi.org/10.1111/1462-2920.16526
7	2023	Diana Angélica Tapia Sidas, Brenda Yazmín Vargas Hernández, José Abrahán Ramírez Pool, Leandro Alberto Núñez Muñoz, Berenice Calderón Pérez, Rogelio González González, Luis Gabriel Brieba, Rosalía Lira Carmona, Eduardo Ferat Osorio, Constantino López Macías, Ruiz Medrano R and Xoconostle Cazares BG. Starting from scratch: Step-by-step development of diagnostic tests for SARS-CoV-2 detection by RT-LAMP. Plos One. Volumen: 18 Número: 1 ISSN: 1932-6203.	https://doi.org/10.1371/journal.pone.0279681
8	2023	Dulce María Galván Arellano, Patricia Vieyra Reyes, Roberto Montes de Oca Jiménez, Ortega López J, Saúl Gabriel Martínez Arzate, Bruno Rivas Santiago y Juan Carlos Vázquez Chagoyán. Proteína Bm86 y su potencial uso como vacuna contra garrapatas en el ganado bovino. Revista Mexicana de Ciencias Pecuarias. Volumen: 14 Número: 3 ISSN 2007-1124.	http://hdl.handle.net/20.500.11799/138985
9	2023	Eduardo Alvarado Santos, Aguilar Lopez R, M. Isabel Neria González, Teresa Romero Cortés, Víctor José Robles Olvera and Pablo A. López Pérez. A novel kinetic model for a cocoa waste fermentation to ethanol reaction and its experimental validation. Preparative Biochemistry. Volumen: 53 Número: 2 Páginas: 167-182 ISSN: 1082-6068.	https://doi.org/10.1080/10826068.2022.2056746
10	2023	Elizabeth Rubio Rodríguez, Ileana Vera Reyes, Aida Araceli Rodríguez Hernández, Alma Rosa López Laredo, Ramos Valdivia AC and Gabriela Trejo Tapia. Mixed elicitation with salicylic acid and hydrogen peroxide modulates the phenolic and iridoid pathways in castilleja tenuiflora plants. Planta. Volumen: 258 Número: 20 ISSN: 0032-0935.	https://doi.org/10.1007/s00425-023-04177-1
11	2023	Thalasso F, Brenda Riquelme, Andrés Gómez, Roy Mackenzie, Francisco Javier Aguirre, Jorge Hoyos Santillan, Ricardo Rozzi and Armando Sepulveda Jauregui. Technical note: Skirt chamber - an open dynamic method for the rapid and minimally intrusive measurement of greenhouse gas emissions from peatlands. Biogeosciences. Volumen: 20 Páginas: 3737-3749.	https://doi.org/10.5194/bg-20-3737-2023
12	2023	Gurusamy Kutralam Muniasamy, Venkata Chari S and Pérez Guevara F. Citizen involvement in reducing end-of-life product waste in Mexico City: Sustainable Production and Consumption. Volumen: 41 Páginas: 167-178 ISSN: 2352-5509.	https://doi.org/10.1016/j.spc.2023.08.010
13	2023	Gurusamy Kutralam Muniasamy, Venkata Chari S, Pérez Guevara F and Priyadarsi D. Roy. Microplastic diagnostics in humans: "The 3Ps" Progress, problems, and prospects. Science of the Total Environment. Volumen: 856 Número: 159164 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2022.159164
14	2023	Gurusamy Kutralam Muniasamy, Venkata Chari S, Pérez Guevara F, Priyadarsi D. Roy and I. Elizalde Martínez. Consumption of commercially sold dried fish snack "charales" contaminated with microplastics in Mexico.. Environmental Pollution. Volumen: 332 Número: 121961 ISSN: 0269-7491.	https://doi.org/10.1016/j.envpol.2023.121961
15	2023	Gurusamy Kutralam Muniasamy, Venkata Chari S, Pérez Guevara F, Priyadarsi D. Roy and I. Elizalde Martínez. Common laboratory reagents: Are they a double-edged sword in microplastics research?. Science of the Total Environment. Volumen: 875 Número: 162610 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2023.162610
16	2023	Heilyn Pérez, Omar Jasiet Quintero García, Myriam Adela Amezcua Allieri and Rodríguez Vázquez R. Nanotechnology as an efficient and effective alternative for wastewater treatment: an overview. Water Science and Technology. Volumen: 87 Número: 12 Páginas: 2971-3001 ISSN: 0273-1223.	https://doi.org/10.2166/wst.2023.179
17	2023	Henry López López, Nancy Ruiz Lau, Rocio Meza Gordillo, Víctor Manuel Ruiz Valdiviezo, Joseph Gathier Robledo Luchetti, Carlos Alberto Lecona Guzmán, Juan José Villalobos Maldonado, Dendooven L and Joaquín Adolfo Montes Molina. Antifungal potential of Beauveria bassiana on Solanum lycopersicum L. infected with Fusarium oxysporum f. sp. lycopersici. Phytom-International Journal of Experimental Botany. Volumen: 92 Número: 4 Páginas: 1235-1255 ISSN: 0031-9457.	https://doi.org/10.32604/phyton.2023.025716
18	2023	Jacqueline Martínez Rendón, Lorena Hinojosa, Xoconostle Cazares BG, José Abrahán Ramírez Pool, Aida Castillo, Marcelino Cerejido and Arturo Ponce. Ouabain induces transcript changes and activation of RhoA/ROCK signaling in cultured epithelial cells (MDCK). Current Issues in Molecular Biology. Volumen: 45 Número: 9 Páginas: 7538-7556 ISSN: 1467-3037.	https://doi.org/10.3390/cimb45090475
19	2023	Jesús Adriana Ramírez Castillo, Rodríguez Vázquez R, Aguilar Lopez R and José Roberto Zúñiga Silva. Bioscorodite production from As(III) and Fe(II) salts under oxidizing and acidic conditions of Trichoderma atroviride culture. Water. Volumen: 15 Número: 1905 eISSN: 2073-4441.	https://doi.org/10.3390/w15101905
20	2023	Jorge Fonseca Campos, Israel Reyes Ramírez, Juan L. Mata Machuca, Leonardo Fonseca Ruiz, Paola N. Cortez Herrera, Flores Cotera LB and Aguilar Lopez R. Implementation in microcontrollers of an algorithm for the simple generation of speed profiles in a stepper motor and their associated kinematics. IEEE Access. Volumen: 11 Páginas: 143782-143803.	https://doi.org/10.1109/ACCESS.2023.3343638
21	2023	Joseph Guevara Luna, Mario Hernández Guzmán, Nina Montoya Ciriaco, Dendooven L, Marina Olivia Franco Hernández, Paulina Estrada de los Santos and María Soledad Vázquez Murrieta. Bacterial and archaeal communities in saline soils from a Los Negritos geothermal area in Mexico. Pedosphere. Volumen: 33 Número: 2 Páginas: 312-320 ISSN: 1002-0160.	https://doi.org/10.1016/j.pedsph.2022.06.041
22	2023	Juana Lira Pérez and Rodríguez Vázquez R. Removal of orange G dye by Aspergillus niger and its effect on organic acid production. Preparative Biochemistry. Volumen: 53 Número: 7 Páginas: 860-871.	https://doi.org/10.1080/10826068.2022.2153368
23	2023	Julio A. Salas Rabaza, José Luis Andrade, Roberth Us-Santamaría, Pablo Morales Rico, Gisela Mayora, Francisco Javier Aguirre, Vicente Fecci Machuca, Eugenia M. Gade Palma and Thalasso F. Impacts of leaks and gas accumulation on closed chamber methods for measuring methane and carbon dioxide fluxes from tree stems. Science of the Total Environment. Volumen: 904 Número: 166358 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2023.166358
24	2023	Karla E. Zarco González, Jessica D. Valle García, Yendi E. Navarro Noya, Fabián Fernández Luqueño and Dendooven L. Silver and hematite nanoparticles had a limited effect on the bacterial community structure in soil cultivated with Phaseolus vulgaris L. Agronomy-Basel. Volumen: 13 Número: 9 eISSN: 2073-4395.	https://doi.org/10.3390/agronomy13092341
25	2023	María Dolores Díaz Cervantes, Ramos Ramirez EG, Miquel Gimeno Seco and Salazar Montoya JA. Supercritical CO2 extraction of oil from Chan (Hyptis suaveolens (L.) Poit) seeds and its physicochemical characterization, spectroscopy and nutritional analysis. Food Analytical Methods. Volumen: 16 Páginas: 918-932 ISSN: 1936-9751.	https://doi.org/10.1007/s12161-023-02457-w
26	2023	María Elena Mancera López, Barrera Cortes J, Roberto Mendoza Serna, Armando Ariza Castolo and Rosa Santillan. Polymeric encapsulate of Streptomyces mycelium resistant to dehydration with air flow at room temperature. Polymers. Volumen: 15 Número: 1 eISSN: 2073-4360.	https://doi.org/10.3390/polym15010207
27	2023	Marina Gutiérrez Antón, Alejandro Santiago Hernández, Johan Rodríguez Mendoza, Claudia Cano Ramírez, Ismael Bustos Jaimes, Guillermo Aguilar Osorio, Jorge E. Campos and Hidalgo Lara ME. Improvement of laccase production by Thielavia terrestris Co3Bag1. Enhancing the bio-catalytic performance of the native thermophilic TtLacA via immobilization in copper alginate gel beads. Journal of Fungi. Volumen: 9 Número: 308 eISSN: 2309-608.	https://doi.org/10.3390/jof9030308



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No.	AÑO	AUTORES	LINK
28	2023	Miriam Deloya Olvera, Xoconostle Cazares BG, Sofía Virgen Vásquez, Jesús Pérez Moreno, César Ramiro Martínez González, Juan J. Almaraz, Mario Jiménez and Martín E. Sánchez García. Two new neotropical species of the ectomycorrhizal gasteroid genus Calostoma (Sclerodermatineae, Boletales) used as a food source by the Ayuuk jä'äy ethnic group from southern Mexico. Phytotaxa. Volumen: 612 Número: 2 Páginas: 148-158 ISSN: 1179-3155.	https://doi.org/10.11646/phytotaxa.612.2.3
29	2023	Nahui Olin Medina Chávez, Mariette Viladomat Jasso, Eugenia Zarza, África Islas Robles, Jorge Valdivia Anistro, Thalasso F, Luis E. Eguarte, Gabriela Olmedo Álvarez, Valeria Souza and Susana de la Torre Zavala. A Transiently hypersaline microbial mat harbors a diverse and stable archaeal community in the Cuatro Ciénegas Basin, Mexico. Astrobiology. Volumen: 23 Número: 8 Páginas: 796-811.	https://doi.org/10.1089/ast.2021.0047
30	2023	Nina Montoya Ciriaco, Stephanie Hereira Pacheco, Arturo Estrada Torres, Dendooven L, Fausto R. Méndez de la Cruz, Elizabeth Selene Gómez Acata, Anibal H. Díaz de la Vega Pérez and Yendi E. Navarro Noya. Maternal transmission of bacterial microbiota during embryonic development in a viviparous lizard. Microbiology Spectrum. Volumen: 11 Número: e0178023 ISSN: 2165-0497.	https://doi.org/10.1128/spectrum.01780-23
31	2023	Paola Briseño Díaz, Michael Schnoor, Martiniano Bello Ramírez, José Correa Basurto, Arturo Rojo Domínguez, Leticia Arregui, Lilia Vega, Enrique Nuñez González, Luis Andres Palau Hernández, Carlos Guadalupe Parra Torres, Oscar Manuel García Córdova, Ernesto Zepeda Castillo, Eduardo Torices Escalante, Leticia Domínguez Camacho, Xoconostle Cazares BG, Marco Antonio Meraz Ríos, Sandra Delfín Azuara, Dayan Andrea Carrión Estrada, Nicolas Villegas Sepúlveda, Rosaura Hernández Rivas, María del Rocío Thompson Bonilla and Miguel Vargas. Synergistic effect of antagonists to KRas4B/PDE6 molecular complex in pancreatic cancer. Life Science Alliance. Volumen: 9 Número: 12 ISSN: 2575-1077.	https://doi.org/10.26508/lsa.202302019
32	2023	Aguilar Lopez R and Juan L. Mata Machuca. Stabilization of a chaotic oscillator via a class of integral controllers under input saturation. Scientific Reports. Volumen: 13 Número: 1 ISSN: 2045-2322.	https://doi.org/10.3390/plants12173052
33	2023	Stephanie E. Hereira Pacheco, Arturo Estrada Torres, Dendooven L and Yendi E. Navarro Noya. Shifts in root-associated fungal communities under drought conditions in Ricinus communis. Fungal Ecology. Volumen: 63 Número: 101225 ISSN: 1754-5048.	https://doi.org/10.1016/j.funeco.2023.101225
34	2023	Venkata Chari S and Gurusamy Kutralam Muniasamy. Blanks and bias in microplastic research: Implications for future quality assurance. Trends in Environmental Analytical Chemistry . Volumen: 38 ISSN: 2214-1588.	https://doi.org/10.1016/j.teac.2023.e00203
35	2023	Venkata Chari S, Gurusamy Kutralam Muniasamy and Pérez Guevara F. Do microbial decomposers find micro- and nanoplastics to be harmful stressors in the aquatic environment? A systematic review of in vitro toxicological research. Science of the Total Environment. Volumen: 903 Número: 166561 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2023.166561
36	2023	Venkata Chari S, Gurusamy Kutralam Muniasamy and Pérez Guevara F. Putting eggs on marine litter: Towards an understanding of a cause for concern. Marine Pollution Bulletin. Volumen: 190 Número: 114900 ISSN: 0025-326.	https://doi.org/10.1016/j.marpolbul.2023.114900
37	2023	Venkata Chari S, Gurusamy Kutralam Muniasamy and Pérez Guevara F. New forms of particulate plastics in the anthropocene. Earth-Science Reviews. Volumen: 246 Número: 104601.	https://doi.org/10.1016/j.earscirev.2023.104601
38	2023	Venkata Chari S, Gurusamy Kutralam Muniasamy, Pérez Guevara F and Priyadarsi D. Roy. An assessment of higher-value recyclable wastes in Mexico City households using a novel waste collector citizen science approach. Science of The Total Environment . Volumen: 863 Número: 161024 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2022.161024
39	2023	Venkata Chari S, Gurusamy Kutralam Muniasamy, Pérez Guevara F, Priyadarsi D. Roy and I. Elizalde Martínez. First evidence of microplastic contamination in ready-to-use packaged food ice cubes. Environmental Pollution. Volumen: 318 Número: 120905.	https://doi.org/10.1016/j.envpol.2022.120905
40	2023	Victor German Rodríguez García, Leobardo Ottmar Palma Gallardo, Francisco Silva Olmedo and Thalasso F. A simple and low-cost open dynamic chamber for the versatile determination of methane emissions from aquatic surfaces. Limnology and Oceanography-Methods. Volumen: 21 Páginas: 828-836 ISSN: 1541-5856.	https://doi.org/10.1002/lom3.10584
41	2023	Viviana Rodríguez Rivera, Yendi E. Navarro Noya, Dendooven L and Marco Luna Guido. Land-use change alters the bacterial community structure, but not forest management. Folia Microbiologica. Volumen: 68 Número: 2 Páginas: 277-290.	https://doi.org/10.1007/s12223-022-01009-9
42	2023	Sara Luz Vera García, Felipe Neri Rodríguez Casasola, Barrera Cortes J, Arnulfo Albores Medina, Karla M. Muñoz Páez, Canizares Villanueva RO and Montes Horcasitas MC. Enhancing phosphorus and nitrogen uptake in maize crops with food industry biosolids and Azotobacter nigricans. Plants-Basel. Volumen: 12 Número: 3052.	https://doi.org/10.3390/plants12173052