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Biotecnología
y Bioingeniería

BIOTECNOLOGÍA Y BIOINGENIERÍA

ARTICULOS EN REVISTAS JCR - 2020

No.	AÑO	AUTORES	LINK
1	2020	Alberto Ordaz , Eva Gil , Gabriel R. Hernandez Martinez, Thalasso F , Susana Rincón and Alejandro Zepeda. Microrespirometric assessment of the metal-organic framework [Co-2(btec)(bipy)(DMF)(2)](n) ("MOF-Co") to prevent inhibition by arsenic in activated sludge. Environmental Science-Water Research. Volumen: 6 Número de artículo: 4 Páginas: 1153-1162 ISSN: 2053-1400.	https://doi.org/10.1039/c9ew00967a
2	2020	Araceli Flores Sánchez, Arthi Rathinasabapathy , Ma. del Rocío López Cuellar, Berenice Vergara Porras and Pérez Guevara F. Biosynthesis of polyhydroxyalkanoates from vegetable oil under the co-expression of fadE and phaJ genes in Cupriavidus necator. International Journal Of Biological Macromolecules. Volumen: 164 Páginas: 1600-1607.	https://doi.org/10.1016/j.ijbiomac.2020.07.275
3	2020	B. Montañez Barragán, J. L. Sanz Martín, P. Gutiérrez Macías, A. Morato Cerro , Rodríguez Vázquez R and B.E. Barragán Huerta. Azo dyes decolorization under high alkalinity and salinity conditions by Halomonas sp. in batch and packed bed reactor. Extremophiles. Volumen: 24 Número: 2 Páginas: 239-247 ISSN: 1431-0651.	https://doi.org/10.1007/s00792-019-01149-w
4	2020	Dulce J. Hernández Melchor, Beni Camacho Pérez, Ríos Leal E, Jesus Alarcón Bonilla and Pablo A. López Pérez. Modelling and multi-objective optimization for simulation of hydrogen production using a photosynthetic consortium. International Journal Of Chemical Reactor Engineering. Volumen: 18 Número: 7 ISSN: 2194-5748 Número de artículo: 20200019.	https://doi.org/10.1515/ijcre-2020-0019
5	2020	Eric Dumontell, Claudia Herrera , Weihong Tu , Kelly Goff , Marissa Fahlberg , Erin Haupt , Amitinder Kaur , Preston A. Marx , Ortega Lopez J, Peter J. Hotez and Maria Elena Bottazzi. Safety and immunogenicity of a recombinant vaccine against Trypanosoma cruzi in Rhesus macaques. Vaccine. Volumen: 38 Número: 29 Páginas: 4584-4591 ISSN: 0264-410.	https://doi.org/10.1016/j.vaccine.2020.05.010
6	2020	Thalasso F , Armando Sepulveda Jauregui, Laure Gandois , Karla Martínez Cruz, Oscar Gerardo Nieto, María S. Astorga España, Roman Teisserenc , Céline Lavergne , Nikita Tananaev , Maialen Barret and Léa Cabrol. Sub-oxycline methane oxidation can fully uptake CH4 produced in sediments: case study of a lake in Siberia. Scientific Reports. Volumen: 10 Número: 1 ISSN: 2045-2322.	https://doi.org/10.1038/s41598-020-60394-8
7	2020	Thalasso F , Katey Walter Anthony, Olya Irzak , Ethan Chaleff , Laughlin Barker , Peter Anthony , Philip Hanke and Rodrigo Gonzalez Valencia. Mobile open dynamic chamber measurement of methane macroseeps in lakes. Hydrology And Earth System Sciences. Volumen: 24 Páginas: 6047-6058.	https://doi.org/10.5194/hess-24-6047-2020
8	2020	Quijano , M. Franco Morgado, M.S. Córdova Aguilar, E. Galindo and Thalasso F. Oxygen transfer in a three-phase bubble column using solid polymers as mass transfer vectors. Revista Mexicana De Ingeniería Química. Volumen: 19 Número: 1 Páginas: 483-494 ISSN: 1665-2738.	https://doi.org/10.24275/rmiq/Proc1486
9	2020	Guadalupe Hernández Piedra, Violeta Ruiz Carrera, Alberto J Sánchez, Alfonso Azpeitia Morales and Calva Calva G. Induction of Hairy Roots on Somatic Embryos of Rhizoclones from Typha domingensis Seedlings.. Plants. Volumen: 9 Número: 12 Páginas: 1679.	https://doi.org/10.3390/plants9121679
10	2020	Gurusamy Kutralam Narayanasamy and Pérez Guevara F. Evolutionary relationships between the transcriptional repressors of the polyhydroxyalkanoate reserve storage system in prokaryotes: Conserved but phylogenetically heterogeneous. Gene. Volumen: 735 Número: 144397 ISSN: 0378-1119.	https://doi.org/10.1016/j.gene.2020.144397
11	2020	Gurusamy Kutralam Narayanasamy, Pérez Guevara F, I. Elizalde Martínez and V.C. Shruti. Branded milks - Are they immune from microplastics contamination?. Science Of The Total Environment. Volumen: 714 Número: 136823 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2020.136823
12	2020	Gurusamy Kutralam Narayanasamy, Pérez Guevara F, I. Elizalde Martínez and V.C. Shruti. Review of current trends, advances and analytical challenges for microplastics contamination in Latin America. Environmental Pollution. Volumen: 267 ISSN: 0269-7491.	https://doi.org/10.1016/j.envpol.2020.115463
13	2020	Gurusamy Kutralam Narayanasamy, Pérez Guevara F, I. Elizalde Martínez and V.C. Shruti. An overview of recent advances in micro/nano beads and microfibers research: Critical assessment and promoting the less known. Science Of The Total Environment. Volumen: 740 Número: 139991 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2020.139991
14	2020	Gurusamy Kutralam Narayanasamy, Pérez Guevara F, Priyadarsi D. Roy , I. Elizalde Martínez and V.C. Shruti. Impacts of the COVID-19 lockdown on air quality and its association with human mortality trends in megapolis Mexico City. Air Quality, Atmosphere. ISSN: 1873-9318.	https://doi.org/10.1007/s11869-020-00960-1
15	2020	Ilse Yazmin Arciniega Carreon, Maria Guadalupe Ramirez Sotelo, Ramos Valdivia AC, Carlos Edmundo Salas, Arturo Ortega and Carmen Oliver Salvador. Metabolites in cultured cells of Ibervillea sonora (S. Watson) Greene display increased hypoglycemic activity compared to that seen in plant roots. Horticulture Environment And Biotechnology. Volumen: 61 Número: 6 Páginas: 1039-1049 ISSN: 2211-3452.	https://doi.org/10.1007/s13580-020-00281-3
16	2020	J.C. Figueroa Estrada, M. I. Neria González, Rodríguez Vázquez R, E.N. Tec Caamal and Aguilar Lopez R. Controlling a continuous stirred tank reactor for zinc leaching. Minerals Engineering. Volumen: 157 Número: 106549 ISSN: 0892-6875.	https://doi.org/10.1016/j.mineng.2020.106549
17	2020	J.C. Figueroa Estrada, Aguilar Lopez R, R. Rodríguez Vázquez and M. I. Neria González. Bioleaching for the extraction of metals from sulfide ores using a new chemolithoautotrophic bacterium. Hydrometallurgy. Volumen: 197 Número: 105445 ISSN: 0304-386.	https://doi.org/10.1016/j.hydromet.2020.105445
18	2020	Juana Lira Pérez, Rodríguez Vázquez R and Wilberth Chan Cupul. Effect of fungal co-cultures on ligninolytic enzyme activities, H2O2 production, and orange G discoloration. Preparative Biochemistry. Volumen: 50 Número: 6 Páginas: 607-618 ISSN: 1082-6068.	https://doi.org/10.1080/10826068.2020.1721534
19	2020	Karina Enriquez Navarro, Angelica Maldonado Rodríguez, Othon Rojas Montes, Rocio Torres Ibarra, Leticia Bucio Ortiz, Miguel A. De la Cruz , Jesus Torres Flores, Xoonostle Cazares BG and Rosalia Lira. Identification of mutations in the S gene of hepatitis B virus in HIV positive Mexican patients with occult hepatitis B virus infection. Annals Of Hepatology. Volumen: 19 Número: 5 Página: s 507-515 ISSN: 1665-2681.	https://doi.org/10.1016/j.aohep.2020.06.002
20	2020	L. Flores López, O. Morales Galván, A. Cando Narváez , J. Barreto Turiján, Xoonostle Cazares BG and E. Castro Cassagnon. First Report of Xanthomonas phaseoli pv. dieffenbachiae Causing Bacterial Leaf Blight on Anthurium andreanum in Mexico. Plant Disease. Volumen: 104 Número: 4 Páginas: 1252-1252 ISSN: 0191-2917.	https://doi.org/10.1094/PDIS-10-19-2246-PDN
21	2020	L.S. Vélez Pérez, J. Ramirez Nava, G. Hernandez Flores, O. Talavera Mendoza, C. Escamilla Alvarado, Poggi Valardo HM, O. Solorza Feria and J.A. López Díaz. Industrial acid mine drainage and municipal wastewater co-treatment by dual-chamber microbial fuel cells. International Journal Of Hydrogen Energy. Volumen: 45 Número: 26 Páginas: 13757-13766 ISSN: 0360-3199.	https://doi.org/10.1016/j.ijhydene.2019.12.037
22	2020	Laurette Prince , Nele Verhulst , Bram Govaerts , Yendi E. Navarro Noya and Dendooven L. Wet or dry sowing had a larger effect on the soil bacterial community composition than tillage practices in an arid irrigated agro-ecosystem. Journal Of Soils And Sediments. Volumen: 20 Número: 9 Páginas: 3316-3329 ISSN: 1439-0108.	https://doi.org/10.1007/s11368-020-02626-y
23	2020	Léa Cabrol , Thalasso F , Laure Gandois , Armando Sepulveda Jauregui, Karla Martínez Cruz, Roman Teisserenc , Nikita Tananaev , Alexander Tveit , Mette M. Svenning and Maialen Barret. Anaerobic oxidation of methane and associated microbiome in anoxic water of Northwestern Siberian lakes. Science Of The Total Environment. Volumen: 736 Número: 139588 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2020.139588
24	2020	Leticia Romero Cedillo, Poggi Valardo HM, Jaime Santoyo Salazar, Carlos Escamilla Alvarado, Yasuhiro Matsumoto Kuwabara, Ponce Noyola MT, Luz Bretón Deval and Miguel García Rocha. Biological synthesis of iron nanoparticles using hydrolysates from a waste-based biorefinery. Environmental Science And Pollution Research. Volumen: 27 Número: 23 Páginas: 28649-28669 ISSN: 0944-1344.	https://doi.org/10.1007/s11368-020-08729-w
25	2020	Ligia C. Muñoz Arenas, Carmine Fusaro, Mario Hernández Guzmán, Dendooven L, Arturo Estrada Torres and Yendi E. Navarro Noya.. Soil microbial diversity drops with land-use change in a high mountain temperate forest: a metagenomics survey. Environmental Microbiology Reports. Volumen: 12 Número: 2 Páginas: 185-194 ISSN: 1758-2229.	https://doi.org/10.1111/1758-2229.12822
26	2020	Luis Alberto Rivera Rivas, Sebastian Lorenzo Benito, Diana Belén Sánchez Rodríguez, Jesús FT Miranda Ozuna, Esly Alejandra Euceda Padilla, Ortega Lopez J, Bibiana Chávez Munguia, Anel Lagunés Guillén, Beatriz Velázquez Vallasi, Lidia Jasso Villazut and Rossana Arroyo. The effect of iron on Trichomonas vaginalis tVCP2: a cysteine proteinase found in vaginal secretions of trichomoniasis patients. Parasitology. Volumen: 147 Número: 7 Páginas: 760-774 ISSN: 0031-1820.	https://doi.org/10.1017/S0031182020000438
27	2020	Melissa Esther Morales Tovar, Ramos Ramirez EG and Salazar Montoya JA. Modeling and optimization of the parameters affecting extraction of the chan seed mucilage (Hyptis suaveolens (L.) Poit) by mechanical agitation (MA) and ultrasound-assisted extraction (UAE) in a multiple variables system. Food And Bioprocess Processing. Volumen: 120 Páginas: 166-178 ISSN: 0960-3085.	https://doi.org/10.1016/j.fbp.2020.01.009

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28	2020	Nina Montoya Ciriaco, Selene Gómez Acata, Ligia Catalina Muñoz Arenas, Dendooven L, Arturo Estrada Torres, Anibal H. Díaz de la Vega Pérez and Yendi E. Navarro Noya. Dietary effects on gut microbiota of the mesquite lizard <i>Sceloporus grammicus</i> (Wiegmann, 1828) across different altitudes. <i>Microbiome</i> . Volumen: 8 Número: 1 ISSN: 2049-2618.	https://doi.org/10.1186/s40168-020-0783-6
29	2020	Pablo Gortares Maroyoqui, Ruth Gabriela Ulloa Mercado, Nidia Josefina Ríos Vázquez, Luz Bretón Deval, Hervé Macarie , Poggi Varaldo HM and Isabel Sastre Conde. Advances in environmental biotechnology and engineering 2018. <i>Environmental Science And Pollution Research</i> . Volumen 27 Número: 23 Páginas: 28463-28468 ISSN: 0944-1344.	https://doi.org/10.1007/s11356-020-09377-w
30	2020	Raúl Balam Martínez Pérez, Jorge Alberto Rodríguez , Luis A. Cira Chávez, Dendooven L, Gustavo Viniegra González and Isabel Estrada Alvarado. Exoenzyme-producing halophilic bacteria from the former Lake Texcoco: identification and production of n-butyl oleate and bioactive peptides. <i>Folia Microbiologica</i> . Volumen: 65 Número: 5 Páginas: 835-847 ISSN: 0015-5632.	https://doi.org/10.1007/s12223-020-00794-5
31	2020	Aguilar Lopez R, Edgar N. Tec Caamal and M. Isabel Nería González. Observer-Based Control for Uncertain Nonlinear Systems Applied to Continuous Biochemical Reactors. <i>Mathematical Problems In Engineering</i> . Número: 6417860 ISSN: 1024-123.	https://doi.org/10.1155/2020/6417860
32	2020	Sergio A. Medina Moreno, Laura Conde Báez, Angélica Jiménez González, Aguilar Lopez R, Rodríguez Vázquez R and Edgar N. Tec Caamal. Modelling hexadecane uptake strategies of a rhizospheric bacterial consortium under different hydrodynamic draft-tube airlift reactor conditions. <i>Biochemical Engineering Journal</i> . Volumen: 160 Número: 107611 ISSN: 1369-703.	https://doi.org/10.1016/j.bej.2020.107611
33	2020	V.C. Shruti , Pérez Guevara F and Gurusamy Kutralam Muniasamy. Metro station free drinking water fountain- A potential "microplastics hotspot" for human consumption. <i>Environmental Pollution</i> . Volumen: 261 Número: 114227 ISSN: 0269-7491.	https://doi.org/10.1016/j.envpol.2020.114227
34	2020	V.C. Shruti , Pérez Guevara F, I. Elizalde Martínez and Gurusamy Kutralam Muniasamy. First study of its kind on the microplastic contamination of soft drinks, cold tea and energy drinks-Future research and environmental considerations. <i>Science Of The Total Environment</i> . Volumen: 726 Número: 138580 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2020.138580
35	2020	Shruti , Pérez Guevara F, Priyadarsi D. Roy , I. Elizalde Martínez and Gurusamy Kutralam Narayanasamy. Identification and characterization of single use oxo/biodegradable plastics from Mexico City, Mexico: Is the advertised labeling useful?. <i>Science Of The Total Environment</i> . Volumen 739 Número: 140358 ISSN: 0048-9697.	https://doi.org/10.1016/j.scitotenv.2020.140358
36	2020	Valentín Pérez Hernández, Mario Hernández Guzmán, Nancy Serrano Silva, Marco Luna Guido, Yendi Ebenezzer Navarro Noya, Joaquín Adolfo Montes Molina and Dendooven L. Diversity of amoA and pmoA Genes in Extremely Saline Alkaline Soils of the Former Lake Texcoco. <i>Geomicrobiology Journal</i> . Volumen: 37 Número: 9 Páginas: 785-797 ISSN: 0149-0451.	https://doi.org/10.1080/01490451.2020.1779417
37	2020	Claudia L. Ibarra Sánchez, Laurette Prince , José L. Aguirre Noyola, Karla E. Sánchez Cerda, Yendi E. Navarro Noya, Marco Luna Guido, Eloy Conde Barajas, Dendooven L and Elizabeth Selene Gómez Acata. The microbial community in an alkaline saline sediment of a former maar lake bed. <i>Journal Of Soils And Sediments</i> . Volumen: 20 Número de artículo: 1 Páginas: 542-555.	https://doi.org/10.1007/s11368-019-02371-x
38	2020	Shruti VC, Pérez Guevara F, Elizalde Martínez I, Kutralam Muniasamy G. Reusable masks for COVID-19: A missing piece of the microplastic problem during the global health crisis. <i>Marine Pollution Bulletin</i> . Volumen: 161 Número de artículo: 111777.	https://doi.org/10.1016/j.marpolbul.2020.111777
39	2020	Sotelo Navarro PX, Poggi Varaldo HM, Turpin Marion SJ, Seijas NFR. Sodium polyacrylate inhibits fermentative hydrogen production from waste diaper-like material. <i>Journal Of Chemical Technology And Biotechnology</i> . Volumen: 95 Número: 1 Páginas: 78-85.	https://doi.org/10.1002/jctb.6208