

## ARTÍCULOS DEL MES DE OCTUBRE DE 2017

### **[ARTÍCULOS A]** - ARTÍCULOS PUBLICADOS EN EXTENSO EN REVISTAS INCLUIDAS EN JCR

- 1 Martínez-Jarquín, S., Moreno-Pedraza, A., Cazarez-García, D. & Winkler, R. (2017). Automated Chemical Fingerprinting of Mexican Spirits Derived From Agave (Tequila and Mezcal) Using Direct-Injection Electrospray Ionisation (DIESI) and Low-Temperature Plasma (LTP) Mass Spectrometry. [Analytical Methods](#), 9(34), 5023-5028.
- 2 Lee, W. K., Probst, S., Santoyo-Sánchez, M. P., Al-Hamdani, W., Diebels, I., Von Sivers, J. K., Kerek, E., Prenner, E. J. & Thevenod, F. (2017). Initial Autophagic Protection Switches to Disruption of Autophagic Flux by Lysosomal Instability During Cadmium Stress Accrual in Renal NRK-52E Cells. [Archives of Toxicology](#), 91(10), 3225-3245.
- 3 Recamier-Carballo, S., Estrada-Camarena, E. & Lopez-Rubalcava, C. (2017). Maternal Separation Induces Long-Term Effects on Monoamines and Brain-Derived Neurotrophic Factor Levels on the Frontal Cortex, Amygdala, and Hippocampus: Differential Effects After a Stress Challenge. [Behavioural Pharmacology](#), 28(7), 545-557.
- 4 Hernández-Melchor, D. J., Canizares-Villanueva, R. O., Terán-Toledo, J. R., López-Pérez, P. A. & Cristiani-Urbina, E. (2017). Hydrodynamic and mass transfer characterization of flat-panel airlift photobioreactors for the cultivation of a photosynthetic microbial consortium. [Biochemical Engineering Journal](#), 128, 141-148.
- 5 Vital-Jacome, M., Dochain, D. & Thalasso, F. (2017). Microrespirometric model calibration applied to wastewater processes. [Biochemical Engineering Journal](#), 128, 168-177.
- 6 Normark, B. B., Normark, R. D., Vovides, A. et al. (2017). Cycad Aulacaspis Scale (Aulacaspis yasumatsui Takagi, 1977) in Mexico and Guatemala: a Threat to Native Cycads. [Bioinvasions Records](#), 6(3), 187-193.
- 7 Rampasso, A. S., Markow, T. A. & Richmond, M. P. (2017). Genetic and Phenotypic Differentiation Suggests Incipient Speciation Within *Drosophila Arizonae* (Diptera: Drosophilidae). [Biological Journal of the Linnean Society](#), 122(2), 444-454.
- 8 Hernández-Zimbrón, L. F., Pérez-Hernández, M., Torres-Romero, A., Gorostieta-Salas, E., González-Salinas, R., Gullías-Canizo, R., Quiroz-Mercado, H. & Zenteno, E. (2017). Markers of Alzheimer's Disease in Primary Visual Cortex in Normal Aging in Mice. [Biomed Research International](#), 2017, 3706018.
- 9 Cortés-Malagón, E. M., Palacios-Reyes, C., Romero-Córdoba, S. et al. (2017). The PdZ-Binding Motif of Hpv16-E6 Oncoprotein Modulates the Keratinization and Stemness Transcriptional Profile in Vivo. [Biomed Research International](#), 2017, 7868645.

- 10 Villa-Ruano, N., Pacheco-Hernandez, Y., Rubio-Rosas, E., Cruz-Duran, R. & Lozoya-Gloria, E. (2017). Essential Oil Composition, Carotenoid Profile, Antioxidant and Antimicrobial Activities of the Parasitic Plant *Cuscuta Mitraeformis*. [Boletin Latinoamericano Y Del Caribe De Plantas Medicinales Y Aromaticas](#), 16(5), 463-470.
- 11 Reyes, E. & Toledo, J. (2017). On the Strong Persistence Property for Monomial Ideals. [Bulletin Mathematique De La Societe Des Sciences Mathematiques De Roumanie](#), 60(3), 293-305.
- 12 Arcega-Cabrera, F., Fargher, L. F., Ocegüera-Vargas, I. et al. (2017). Water Consumption as Source of Arsenic, Chromium, and Mercury in Children Living in Rural Yucatan, Mexico: Blood and Urine Levels. [Bulletin of Environmental Contamination and Toxicology](#), 99(4), 452-459.
- 13 Bremner, M. & Dotsenko, V. (2017). Classification of Regular Parametrized One-Relation Operads in Memoriam Jean-Louis Loday (1946-2012). [Canadian Journal of Mathematics-Journal Canadien De Mathematiques](#), 69(5), 992-1035.
- 14 Bowman, J. L., Kohchi, T., Yamato, K. T. et al. (2017). Insights Into Land Plant Evolution Garnered From the *Marchantia Polymorpha* Genome. [Cell](#), 171(2), 287-+.
- 15 Hernandez-Nava, E., Cuellar, P., Nava, P., Chavez-Munguia, B., Schnoor, M., Orozco, E. & Betanzos, A. (2017). Adherens Junctions and Desmosomes Are Damaged by *Entamoeba Histolytica*: Participation of Ehcpadh Complex and Ehcp112 Protease. [Cellular Microbiology](#), 19(11), e12761.
- 16 Julio, L. F., Burgueno-Tapia, E., Diaz, C. E., Perez-Hernandez, N., Gonzalez-Coloma, A. & Joseph-Nathan, P. (2017). Absolute Configuration of the Ocimene Monoterpenoids From *Artemisia Absinthium*. [Chirality](#), 29(11), 716-725.
- 17 Montesinos, M., Gonzalez, D., Celada, M. & Diaz, B. (2017). Reformulation of the Symmetries of First-Order General Relativity. [Classical and Quantum Gravity](#), 34(20), 205002.
- 18 Alvarado-Rodriguez, C. E., Klapp, J., Sigalotti, L. G., Dominguez, J. M. & De la Cruz Sanchez, E. (2017). Nonreflecting outlet boundary conditions for incompressible flows using SPH. [Computers & Fluids](#), 159, 177-188.
- 19 Marin-Romero, J. A., Fuentes-Cobas, L. E., Rodriguez-Carvajal, J., Tabasco-Novelo, C. & Quintana, P. (2017). Structure of a Novel Spinel  $\text{Li}_0.5\text{Zn}_5/3\text{Sb}_2.5/3\text{O}_4$  by Neutron and Synchrotron Diffraction Analysis. [Crystals](#), 7(9), 280.
- 20 Singer, A., Poschmann, G., Muhlich, C., Valadez-Cano, C., Hansch, S., Huren, V., Rensing, S. A., Stuhler, K. & Nowack, E. C. M. (2017). Massive Protein Import Into the Early-Evolutionary-Stage Photosynthetic Organelle of the Amoeba *Paulinella Chromatophora*. [Current Biology](#), 27(18), 2763-+.
- 21 Armenta-Medina, A., Lepe-Soltero, D., Xiang, D., Datla, R., Abreu-Goodger, C. & Gillmor, C. S. (2017). *Arabidopsis thaliana* miRNAs promote embryo pattern formation beginning in the zygote. [Developmental Biology](#), 431(2), 145-151.

- 22 Lara-Valderrabano, L., Galvan, E. J. & Rocha, L. (2017). Propylparaben Suppresses Epileptiform Activity in Hippocampal Ca1 Pyramidal Cells in Vitro. [Epilepsy Research](#), 136, 126-129.
- 23 Corral-Ruiz, A. L. E., Cruz-Perez, F. A., Castellanos-Lopez, S. L., Hernandez-Valdez, G. & Rivero-Angeles, M. E. (2017). Modeling and Performance Analysis for Mobile Cognitive Radio Cellular Networks. [Eurasip Journal on Wireless Communications and Networking](#), 2017, 159.
- 24 Espinosa-Alonso, L. G., Paredes-Lopez, O., Valdez-Morales, M. & Oomah, B. D. (2017). Avocado Oil Characteristics of Mexican Creole Genotypes. [European Journal of Lipid Science and Technology](#), 119(10), 1600406.
- 25 Andreev, V., Baghdasaryan, A., Begzsuren, K. et al. (2017). Measurement of D\* Production in Diffractive Deep Inelastic Scattering at Hera. [European Physical Journal C](#), 77(5), 340.
- 26 Acharya, S., Adamova, D., Aggarwal, M. M. et al. (2017). Production of Pi(0) and Eta Mesons up to High Transverse Momentum in Pp Collisions at 2.76 Tev. [European Physical Journal C](#), 77(5), 339.
- 27 Arroyo-Urena, M. A., Hernandez-Tome, G. & Tavares-Velasco, G. (2017). Anomalous Magnetic and Weak Magnetic Dipole Moments of the Tau Lepton in the Simplest Little Higgs Model. [European Physical Journal C](#), 77(4), 227.
- 28 Andreev, V., Baghdasaryan, A., Begzsuren, K. et al. (2017). Measurement of Jet Production Cross Sections in Deep-Inelastic Ep Scattering at Hera. [European Physical Journal C](#), 77(4), 215.
- 29 Acharya, S., Adamova, D., Adolfsson, J. et al. (2017). Measurement of Deuteron Spectra and Elliptic Flow in Pb-Pb Collisions at Root S(Nn)=2.76 Tev at the Lhc. [European Physical Journal C](#), 77(10), 658.
- 30 Khachatryan, V., Sirunyan, A. M., Tumasyan, A. et al. (2017). Search for New Phenomena With Multiple Charged Leptons in Proton-Proton Collisions at Root S=13tev. [European Physical Journal C](#), 77(9), 635.
- 31 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2017). Search for Heavy Resonances That Decay Into a Vector Boson and a Higgs Boson in Hadronic Final States at Root S=13tev. [European Physical Journal C](#), 77(9), 636.
- 32 Canto-Bustos, M., Loeza-Alcocer, E., Cuellar, C. A., Osuna, P., Elias-Vinas, D., Granados-Soto, V., Manjarrez, E., Felix, R. & Delgado-Lezama, R. (2017). Tonically Active Alpha(5)Gaba(a) Receptors Reduce Motoneuron Excitability and Decrease the Monosynaptic Reflex. [Frontiers in Cellular Neuroscience](#), 11, 283.
- 33 Panti-May, J. A., Palomo-Arjona, E., Gurubel-Gonzalez, Y., Torres-Castro, M. A., Vidal-Martinez, V. M., Machain-Williams, C., Hernandez-Betancourt, S. F. & Robles, M. D. (2017). New Host, Geographical Records, and Factors Affecting the Prevalence of Helminths Infection From Synanthropic Rodents in Yucatan, Mexico. [Helminthologia](#), 54(3), 231-239.

- 34 Lopez-Fuerte, F. O., Siqueiros-Beltrones, D. A., Veleva, L. & Huerta-Quintanilla, D. A. (2017). Species Composition and Assemblage Structure of Microfouling Diatoms Growing on Fiberglass Plates Off the Coast of Yucatan, Mexico. [Hidrobiologica](#), 27(1), 23-37.
- 35 Guerrero, E., Linares, J., Guzman, E., Sira, H., Guerrero, G. & Martinez, A. (2017). Dc Motor Speed Control Through Parallel Dc/Dc Buck Converters. [Ieee Latin America Transactions](#), 15(5), 819-826.
- 36 Soria-Garcia, G., Altamirano-Gomez, G., Ortega-Cisneros, S. & Bayro-Corrochano, E. (2017). Conformal Geometric Algebra Voting Scheme Implemented in Reconfigurable Devices for Geometric Entities Extraction. [Ieee Transactions on Industrial Electronics](#), 64(11), 8747-8755.
- 37 Lara-Jimenez, J. D., Ramirez, J. M. & Mancilla-David, F. (2017). Allocation of Pmus for Power System-Wide Inertial Frequency Response Estimation. [Iet Generation Transmission & Distribution](#), 11(11), 2902-2911.
- 38 Luna-Hernandez, E., Cruz-Soto, M. E., Padilla-Vaca, F. et al. (2017). Combined antibacterial/tissue regeneration response in thermal burns promoted by functional chitosan/silver nanocomposites. [International Journal of Biological Macromolecules](#), 105, 1241-1249.
- 39 Lopez, R. A., Camacho, B. R., Neria-Gonzalez, M. I., Rangel, E., Santos, O. & Perez, P. A. L. (2017). State Estimation Based on Nonlinear Observer for Hydrogen Production in a Photocatalytic Anaerobic Bioreactor. [International Journal of Chemical Reactor Engineering](#), 15(5), 0004.
- 40 Aguilar-Lopez, R., Neria-Gonzalez, M. I. & Mata-Machuca, J. L. (2017). Finite Time Estimation for Switched Nonlinear Systems: Application to Stirred Tank Bioreactor. [International Journal of Chemical Reactor Engineering](#), 15(5), 0021.
- 41 Carlos-Mancilla, M., Lopez-Mellado, E., Siller, M. & Fapojuwo, A. (2017). An Efficient Reconfigurable Ad-Hoc Algorithm for Multi-Sink Wireless Sensor Networks. [International Journal of Distributed Sensor Networks](#), 13(9), 1-26.
- 42 Seligson, K., Gallareta-Negron, T., May-Ciau, R. & Bey III, G. J. (2017). Burnt lime production and the Pre-Columbian Maya socio-economy: A case study from the northern Yucatan. [Journal of Anthropological Archaeology](#), 48, 281-294.
- 43 Gonzalez-Barbosa, E., Mejia-Garcia, A., Bautista, E., Gonzalez, F. J., Segovia, J. & Elizondo, G. (2017). Tcdd Induces Ubch7 Expression and Synphilin-1 Protein Degradation in the Mouse Ventral Midbrain. [Journal of Biochemical and Molecular Toxicology](#), 31(10), e21947.
- 44 Fritz-Andrade, E., Tirado-Mendez, J. A., Jardon-Aguilar, H. & Flores-Leal, R. (2017). Application of Complementary Split Ring Resonators for Size Reduction in Patch Antenna Arrays. [Journal of Electromagnetic Waves and Applications](#), 31(16), 1755-1768.
- 45 Rivera-Mancilla, E., Aviles-Rosas, V. H., Manrique-Maldonado, G., Altamirano-Espinoza, A. H., Villanueva-Castillo, B., Maassenvandenbrink, A. & Villalon, C. M. (2017). The Role of Alpha(1)- and Alpha(2)-Adrenoceptor Subtypes in the Vasopressor Responses Induced by Dihydroergotamine in Ritiserin-Pretreated Pithed Rats. [Journal of Headache and Pain](#), 18, 104.



46 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2017). Search for a Heavy Resonance Decaying to a Top Quark and a Vector-Like Top Quark at Root S=13 Tev. [Journal of High Energy Physics](#), (9), 053.

47 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2017). Measurement of the T(T)Over-Bar Production Cross Section Using Events With One Lepton and at Least One Jet in Pp Collisions at Root S=13 Tev. [Journal of High Energy Physics](#), (9), 051.

48 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2017). Search for Top Squark Pair Production in Pp Collisions at Root S=13 Tev Using Single Lepton Events. [Journal of High Energy Physics](#), (10), 019.

49 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2017). Measurement of the Semileptonic T(T)Over-Bar + Gamma Production Cross Section in Pp Collisions at Root S=8 Tev. [Journal of High Energy Physics](#), (10), 006.

50 Sirunyan, A. M., Tumasyan, A., Adam, W. et al. (2017). Search for Direct Production of Super Symmetric Partners of the Top Quark in the All-Jets Final State in Proton-Proton Collisions at Root S=13 Tev. [Journal of High Energy Physics](#), (10), 005.

51 Alfaro-Fuentes, I., Castro-Ramirez, R., Ortiz-Pastrana, N. et al. (2017). Novel Antihelmintic Activity of Tinidazole Coordination Compounds. Relevance of the Metal Ion and Structural Properties. [Journal of Inorganic Biochemistry](#), 176, 159-167.

52 Baker, J., Hooper, K., Meroni, S. et al. (2017). High Throughput Fabrication of Mesoporous Carbon Perovskite Solar Cells. [Journal of Materials Chemistry A](#), 5(35), 18643-18650.

53 Guerra-Fuentes, L., Hernandez-Rodriguez, M. A. L., Zambrano-Robledo, P., Salinas-Rodriguez, A. & Garcia-Sanchez, E. (2017). Microstructure and Mechanical Properties of a Tempered High Cr Martensitic Steel. [Journal of Materials Engineering and Performance](#), 26(7), 3500-3506.

54 Diaz, E. C. Y., Castro-Rodriguez, R., Perez-Quintana, I., Acosta, M., Mendez-Gamboa, J., Medina-Esquivel, R. A., Acosta, C. & Iribarren, A. (2017). Correlation of Residual Stress Variations to Electrical Properties Changes in ZnO Thin Films. [Journal of Materials Science-Materials in Electronics](#), 28(19), 14685-14688.

55 Ospina-Villa, J. D., Guillen, N., Lopez-Camarillo, C., Soto-Sanchez, J., Ramirez-Moreno, E., Garcia-Vazquez, R., Castanon-Sanchez, C. A., Betanzos, A. & Marchat, L. A. (2017). Silencing the Cleavage Factor Cfm25 as a New Strategy to Control Entamoeba Histolytica Parasite. [Journal of Microbiology](#), 55(10), 783-791.

56 Pool, H., Luna-Barcenas, G., McClements, D. J. & Mendoza, S. (2017). Development of Polymethacrylate Nanospheres as Targeted Delivery Systems for Catechin Within the Gastrointestinal Tract. [Journal of Nanoparticle Research](#), 19(9), 324.

57 Londono-Calderon, A., Bahena, D. & Jose-Yacaman, M. (2017). Effects of Pt Content on the Crystallinity and Optical Properties of Ag/Pt Nanoboxes: From Solid to Single and Polycrystalline Mesoporous Nanostructures. [Journal of Nanoparticle Research](#), 19(6), 219.

58 Foladori, G., Lau, E. Z., Carroza, T., Appelbaum, R. P., Villa, L. & Robles-Belmont, E. (2017). Sectorial Analysis of Nanotechnology Companies in Argentina. [Journal of Nanoparticle Research](#), 19(6), 186.

59 Diaz, E. C. Y., Acosta, M., Castro-Rodriguez, R. & Iribarren, A. (2017). The Role of Interstitial Oxygen on the Structural and Electrical Properties of ZnO Film Grown by the Pulsed Laser Deposition Technique. [Journal of Optoelectronics and Advanced Materials](#), 19(7-8), 506-510.

60 Rodriguez-Kessler, P. L., Pan, S., Florez, E., Cabellos, J. L. & Merino, G. (2017). Structural Evolution of the Rhodium-Doped Silver Clusters Ag<sub>n</sub>Rh (N ≤ 15) and Their Reactivity Toward NO. [Journal of Physical Chemistry C](#), 121(35), 19420-19427.

61 Juarez-Maldonado, A., De-Alba-Romenus, K., Morales-Diaz, A. B. & Benavides-Mendoza, A. (2017). Macro-Nutrient Uptake Dynamics in Greenhouse Tomato Crop. [Journal of Plant Nutrition](#), 40(13), 1908-1919.

62 Soltani, N., Simon, U., Bahrami, A., Wang, X. F., Selve, S., Epping, J. D., Pech-Canul, M. I., Bekheet, M. F. & Gurlo, A. (2017). Macroporous Polymer-Derived SiO<sub>2</sub>/SiOC Monoliths Freeze-Cast From Polysiloxane and Amorphous Silica Derived From Rice Husk. [Journal of the European Ceramic Society](#), 37(15), 4809-4820.

63 Lopez, B., Gomez, R. & Mejia, O. (2017). Strong Genetic Structure and Signs of Population Bottlenecks in the Land Snail *Humboldtiana Durangoensis* in the Sierra Madre Occidental of Western Mexico. [Journal of Zoological Systematics and Evolutionary Research](#), 55(4), 288-297.

64 Raygosa-Barahona, R., Garcia-Teran, M. A., Enriquez, C. & Olguin-Diaz, E. (2017). Experimental Evaluation of an Autonomous Surface Craft for Shallow-Water Bathymetry. [Marine Technology Society Journal](#), 51(4), 59-67.

65 Cruz, A. G. G., Solis, M. D., Gonzalez, L. G., Torres, J. H., Lopez, M. L., Puente, G. C., Rodriguez, G. S. & Peredo, L. Z. (2017). Theoretical Study of C-GaN/GaAs Single Heterojunction Solar Cells. [Materia-Rio De Janeiro](#), 22(4), 1-10.

66 Estrada-Sanchez, I., Velasco-Villa, M. & Rodriguez-Cortes, H. (2017). Prediction-Based Control for Nonlinear Systems With Input Delay. [Mathematical Problems in Engineering](#), 2017, 7415418.

67 Soto-Castro, L., Plata-Guzman, L. Y., Figueroa-Angulo, E. E. et al. (2017). Iron Responsive-Like Elements in the Parasite *Entamoeba Histolytica*. [Microbiology-Sgm](#), 163(9), 1329-1342.

68 Tirado-Guizar, A., Rodriguez-Gattorno, G., Paraguay-Delgado, F., Oskam, G. & Pina-Luis, G. E. (2017). Eco-Friendly Synthesis of Egg-White Capped Silver Nanoparticles for Rapid, Selective, and Sensitive Detection of Hg(II). [Mrs Communications](#), 7(3), 695-700.

- 69 Solorio-Rodriguez, A., Escamilla-Rivera, V., Uribe-Ramirez, M., Chagolla, A., Winkler, R., Garcia-Cuellar, C. M. & De Vizcaya-Ruiz, A. (2017). A Comparison of the Human and Mouse Protein Corona Profiles of Functionalized Sio2 Nanocarriers. [Nanoscale](#), 9(36), 13651-13660.
- 70 Vega-Jimenez, A. L., Almaguer-Flores, A., Flores-Castaneda, M., Camps, E., Uribe-Ramirez, M., Aztatzi-Aguilar, O. G. & De Vizcaya-Ruiz, A. (2017). Bismuth Subsalicylate Nanoparticles With Anaerobic Antibacterial Activity for Dental Applications. [Nanotechnology](#), 28(43), 435101.
- 71 Cervantes-Duran, C., Ortega-Varela, L. F., Godinez-Hernandez, D., Granados-Soto, V. & Gauthereau-Torres, M. Y. (2017). Toluene exposure enhances acute and chronic formalin-induced nociception in rats: Participation of 5-HT3 receptors. [NeuroToxicology](#), 63, 97-105.
- 72 Guerrero, T., Santillan, R., Garcia-Ortega, H., Morales-Saavedra, O. G., Farfan, N. & Lacroix, P. G. (2017). Bis(4-Nitroanilines) in Interactions Through a Pi-Conjugated Bridge: Conformational Effects and Potential Molecular Switches. [New Journal of Chemistry](#), 41(20), 11881-11890.
- 73 Muniz-Montero, C., Garcia-Jimenez, L. V., Sanchez-Gaspariano, L. A., Sanchez-Lopez, C., Gonzalez-Diaz, V. R. & Tlelo-Cuautle, E. (2017). New Alternatives for Analog Implementation of Fractional-Order Integrators, Differentiators and Pid Controllers Based on Integer-Order Integrators. [Nonlinear Dynamics](#), 90(1), 241-256.
- 74 Flores-Garcia, E., Gonzalez-Garcia, P., Gonzalez-Hernandez, J. & Ramirez-Bon, R. (2017). Non-Toxic Growth of Cuxs Thin Films in Alkaline Medium by Ammonia Free Chemical Bath Deposition. [Optik](#), 145, 589-598.
- 75 Bernal-Correa, R., Gallardo-Hernandez, S., Cardona-Bedoya, J. & Pulzara-Mora, A. (2017). Structural and Optical Characterization of Gaas and Ingaas Thin Films Deposited by Rf Magnetron Sputtering. [Optik](#), 145, 608-616.
- 76 Navarro-Cruz, A. R., Ayala, R. R. Y., Ochoa-Velasco, C., Brambila, E., Avila-Sosa, R., Perez-Fernandez, S., Morales-Medina, J. C. & Aguilar-Alonso, P. (2017). Effect of Chronic Administration of Resveratrol on Cognitive Performance During Aging Process in Rats. [Oxidative Medicine and Cellular Longevity](#), 2017, 8510761.
- 77 Carrasco-Torres, G., Baltierrez-Hoyos, R., Andrade-Jorge, E., Villa-Trevino, S., Trujillo-Ferrara, J. G. & Vasquez-Garzon, V. R. (2017). Cytotoxicity, Oxidative Stress, Cell Cycle Arrest, and Mitochondrial Apoptosis After Combined Treatment of Hepatocarcinoma Cells With Maleic Anhydride Derivatives and Quercetin. [Oxidative Medicine and Cellular Longevity](#), 2017, 2734976.
- 78 Lara-Romero, J., Campos-Garcia, J., Dasgupta-Schubert, N. et al. (2017). Biological Effects of Carbon Nanotubes Generated in Forest Wildfire Ecosystems Rich in Resinous Trees on Native Plants. [Peerj](#), 5, e3658.
- 79 Betancur-Ocampo, Y., Coudourier-Maruri, G., Gupta, V. & De Coss, R. (2017). Super-Klein Tunneling of Massive Pseudospin-One Particles. [Physical Review B](#), 96(2), 024304.
- 80 Adam, J., Adamova, D., Aggarwal, M. M. et al. (2017). Anomalous Evolution of the Near-Side Jet Peak Shape in Pb-Pb Collisions at Root S-Nn=2.76 Tev. [Physical Review Letters](#), 119(10), 102301.

81 Calvo-Lopez, A. D. & Martinez-Bustos, F. (2017). Optimization of Extrusion Process of Directly Expanded Snacks Based on Potato Starch in a Single Step for the Formation of Type Iv Resistant Starch. [Plant Foods for Human Nutrition](#), 72(3), 243-249.

82 Grimaldo, L., Sandoval, A., Garza-Lopez, E. & Felix, R. (2017). Involvement of Parkin in the Ubiquitin Proteasome System-Mediated Degradation of N-Type Voltage-Gated Ca<sup>2+</sup> Channels. [Plos One](#), 12(9), e0185289.

83 Loredó, A., Arguello, A., Rodríguez-Herrera, R., Gutiérrez-Sánchez, G., Escamilla, A. & Aguilar, C. (2017). Fungal Biodegradation of Rigid Polyurethane. [Química Nova](#), 40(8), 885-889.

84 Leon-García, M. C., Ríos-Castro, E., López-Romero, E. & Cuellar-Cruz, M. (2017). Evaluation of cell wall damage by dimethyl sulfoxide in *Candida* species. [Research in Microbiology](#), 168(8), 732-739.

85 Domínguez-May, R., Gasca-Leyva, E. & Robledo, D. (2017). Harvesting Time Optimization and Risk Analysis for the Mariculture of *Kappaphycus Alvarezii* (Rhodophyta). [Reviews in Aquaculture](#), 9(3), 227-237.

86 Winfield, I., Abarca-Avila, M., Ortiz, M., Chazaro-Olvera, S. & Lozano-Aburto, M. A. (2017). Biodiversity of Tanaidaceans (Crustacea: Peracarida: Tanaidacea) From the Puerto Morelos Reef National Park, Quintana Roo, Mexico. [Revista Mexicana De Biodiversidad](#), 88(3), 572-578.

87 Pariona, N., Martínez, A. I., Hernández-García, H. M., Cruz, L. A. & Hernández-Valdes, A. (2017). Effects of hematite and ferrihydrite nanoparticles on germination and growth of maize seedlings. [Saudi Journal of Biological Sciences](#), 24(7), 1547-1554.

88 Aab, A., Abreu, P., Aglietta, M. et al. (2017). Observation of a Large-Scale Anisotropy in the Arrival Directions of Cosmic Rays Above  $8 \times 10^{18}$  Ev. [Science](#), 357(6357), 1266-1270.

89 Bosch, I., De Puig, H., Hiley, M. et al. (2017). Rapid Antigen Tests for Dengue Virus Serotypes and Zika Virus in Patient Serum. [Science Translational Medicine](#), 9(409), ean1589.

90 Campos-García, V. R., Herrera-Fernández, D., Espinosa-De La Garza, C. E. et al. (2017). Process Signatures in Glatiramer Acetate Synthesis: Structural and Functional Relationships. [Scientific Reports](#), 7, 12125.

91 Cornejo-Granados, F., López-Zavala, A. A., Gallardo-Becerra, L. et al. (2017). Microbiome of Pacific Whiteleg Shrimp Reveals Differential Bacterial Community Composition Between Wild, Aquacultured and Ahpnd/Ems Outbreak Conditions. [Scientific Reports](#), 7, 11783.

92 Schütze, O., Alvarado, S., Segura, C. & Landa, R. (2017). Gradient Subspace Approximation: a Direct Search Method for Memetic Computing. [Soft Computing](#), 21(21), 6331-6350.

93 Díaz-Manríquez, A., Toscano, G. & Coello, C. A. C. (2017). Comparison of Metamodeling Techniques in Evolutionary Algorithms. [Soft Computing](#), 21(19), 5647-5663.



94 Perez-Camacho, M. I. & Ruiz-Suarez, J. C. (2017). Propagation of a Thermo-Mechanical Perturbation on a Lipid Membrane. [Soft Matter](#), 13(37), 6555-6561.

95 Escobedo-Sanchez, M. A., Rojas-Ochoa, L. F., Laurati, M. & Egelhaaf, S. U. (2017). Investigation of Moderately Turbid Suspensions by Heterodyne Near Field Scattering. [Soft Matter](#), 13(35), 5961-5969.

96 Hernandez-Garcia, V., Velasco, C. R., Chavez, N. L., Macias, W. O. C., Larramendi, L. A. R., Silva, S. O. & Marina, M. A. S. (2017). *Lespesia Postica*: a New Report as a Parasitoid of *Spodoptera Frugiperda*(1) at Chiapas, Mexico. [Southwestern Entomologist](#), 42(3), 915-917.

97 Sargiacomo, C., El-Kehdy, H., Dallmeier, K. et al. (2017). Upregulation of Sodium Taurocholate Cotransporter Polypeptide During Hepatogenic Differentiation of Umbilical Cord Matrix Mesenchymal Stem Cells Facilitates Hepatitis B Entry. [Stem Cell Research & Therapy](#), 8, 204.

98 Daza, L. G., Canche-Caballero, V., Chan y Diaz, E., Castro-Rodriguez, R. & Iribarren, A. (2017). Tuning optical properties of CdTe films with nanocolumnar morphology grown using OAD for improving light absorption in thin-film solar cells. [Superlattices and Microstructures](#), 111, 1126-1136.

99 Marquez-Marin, J., Torres-Castanedo, C. G., Torres-Delgado, G., Castanedo-Perez, R. & Zelaya-Angel, O. (2017). Resistivity, photoresistivity and magnetoresistance in sharp zincblende-wurtzite phase transition in CdS nanoparticles. [Superlattices and Microstructures](#), 111, 1217-1225.

100 Cabrera-German, D., Molar-Velazquez, G., Gomez-Sosa, G., De La Cruz, W. & Herrera-Gomez, A. (2017). Detailed Peak Fitting Analysis of the Zn 2p Photoemission Spectrum for Metallic Films and Its Initial Oxidation Stages. [Surface and Interface Analysis](#), 49(11), 1078-1087.

101 Carbajal-Valdez, R., Jimenez-Perez, J. L., Cruz-Orea, A., Correa-Pacheco, Z. N., Alvarado-Noguez, M. L., Romero-Ibarra, I. C. & Mendoza-Alvarez, J. G. (2017). Thermal properties of centrifuged oils measured by alternative photothermal techniques. [Thermochemica Acta](#), 657, 66-71.

102 Garcia-Nino, W. R., Estrada-Muniz, E., Valverde, M., Reyes-Chilpa, R. & Vega, L. (2017). Cytogenetic effects of Jacareubin from *Calophyllum brasiliense* on human peripheral blood mononucleated cells in vitro and on mouse polychromatic erythrocytes in vivo. [Toxicology and Applied Pharmacology](#), 335, 6-15.

103 Londono-Lemos, M. E., Martinez-Bulit, P., Lopez-Sandoval, H. et al. (2017). Transition Metal Coordination Compounds of an Antiobesity Serotonergic Ligand: Spectroscopic Characterization and Adipogenesis Activity. [Transition Metal Chemistry](#), 42(7), 587-596.

104 Sanchez-Leyva, M., Sanchez-Zazueta, J. G., Osuna-Ramos, J. F. et al. (2017). Genetic Polymorphisms of Tumor Necrosis Factor Alpha and Susceptibility to Dengue Virus Infection in a Mexican Population. [Viral Immunology](#), 30(8), 615-621.

105 Flores-Tellez, T. N. J., Villa-Trevino, S. & Pina-Vazquez, C. (2017). Road to Stemness in Hepatocellular Carcinoma. [World Journal of Gastroenterology](#), 23(37), 6750-6776.

**[ARTÍCULOS B] – ARTÍCULOS PUBLICADOS EN EXTENSO EN OTRAS REVISTAS ESPECIALIZADAS (INCLUIDO EL ÍNDICE DE REVISTAS MEXICANAS DE INVESTIGACIÓN CIENTÍFICA Y TECNOLÓGICA)**

106 Ravichandran, M., Velumani, S. & Ramirez, J. T. (2017). Water-Dispersible Magnetite Nanoparticles as T-2 Mr Imaging Contrast Agent. [Biomedical Physics & Engineering Express](#), 3(1), 015011.

107 Gitler, I. & Sandoval-Angeles, G. (2017). Delta-Wye Transformations and the Efficient Reduction of Almost-Planar Graphs. [Electronic Notes in Discrete Mathematics](#), 62, 129-134.

108 Rojas, H. P., Querts, E. R. & Martiinez, A. P. (2017). Quantum Relativistic Electron Gas Expanding in One Dimension. [International Journal of Modern Physics-Conference Series](#), 45, 1760045.

109 Fonseca-Morales, A. & Hernandez-Lerma, O. (2017). A Note on Differential Games With Pareto Optimal Nash Equilibria: Deterministic and Stochastic Models. [Journal of Dynamics and Games](#), 4(3), 195-203.

110 Martinez-Huerta, H. & Perez-Lorenzana, A. (2017). Photon Emission and Decay From Generic Lorentz Invariance Violation. [Journal of Physics Conference Series](#), 866, 012006.

111 Santovena, A., Rodriguez-Proenza, C., Maya-Cornejo, J. A., Ruiz-Baltazar, A., Bahena, D., Ledesma, J., Perez, R. & Esparza, R. (2017). Characterization Microstructural and Electrochemical of Agpd Alloy Bimetallic Nanoparticles. [Mrs Advances](#), 2(50), 2857-2863.

112 Flores-Mena, J. E., Castillo-Ojeda, R. S., Diaz-Reyes, J., Galvan-Arellano, M. & De Anda-Salazar, F. (2017). Cdte, Znte and Cd(1-X)Z(N)Xte Nanolayers Grown by Atomic Layer Deposition on Gasb and Gaas (001) Oriented Substrates. [Mrs Advances](#), 2(50), 2875-2882.

113 Diaz-Reyes, J., Arias-Ceron, J. S., Mendoza-Alvarez, J. G. & Herrera-Perez, J. L. (2017). Characterization of Lpe-Ga0.86in0.14as0.13sb0.87. [Mrs Advances](#), 2(50), 2883-2890.

114 Lopez, C. A., Carbajal-Franco, G., Quintana, F. M. & Garcia, A. A. (2017). Co Sensor Based on Thin Film of Zno Nanoparticles. [Mrs Advances](#), 2(49), 2695-2700.

115 Carbajal-Franco, G., Ortiz-Vazquez, P. A. & Avila-Garcia, A. (2017). Effect of the Solvent Effect of the Solvent Used During the Preparation of Sno2 Nanoparticulated Methane Sensor. [Mrs Advances](#), 2(49), 2701-2706.

116 Patricio, M. P., Maria, M. H. J., Miguel, G. R. & Jaime, S. S. (2017). Synthesis and Characterization of Magnetic Nanoparticles Using Polyvinylpirrolidone as Stabilizer. [Mrs Advances](#), 2(49), 2769-2773.

117 Soto, J. R., Molina, B. & Castro, J. J. (2017). Buckling on Stanene: the Role Played by Spin-Orbit Coupling and Pseudo Jahn-Teller Effect. [Mrs Advances](#), 2(29), 1563-1569.

118 Aguilar-Arteaga, V. A., Cruz-Lopez, M. & Estala-Arias, S. (2017). A Heat Equation on Some Adic Completions of  $\mathbb{Q}$  and Ultrametric Analysis. [P-Adic Numbers Ultrametric Analysis and Applications](#), 9(3), 165-182.

119 Fernandez-Afonso, Y., Maury-Toledo, A., Garcia-Zaldivar, O., Hernandez-Landaverde, M. A., Ramirez-Bon, R., Yanez-Limon, J. M., Diaz-Castanon, S., Gonzalez-Alfaro, Y. & Calderon-Pinar, F. (2017). Magnetic Properties and Size Distribution of Magnetite Nanoparticles Covered by Oleic Acid. [Revista Cubana De Fisica](#), 34(1), 3-8.

120 Villarruel-Fuentes, M. & Perez-Santiago, F. (2017). Science Education in the Technological System of Veracruz: a Gender Perspective. [Revista Digital De Investigacion En Docencia Universitaria-Ridu](#), 11(1), 113-133.

121 Sacristan, A. I. & Pretelin-Ricardez, A. (2017). Gaining Modelling and Mathematical Experience by Constructing Virtual Sensory Systems in Maze-Videogames. [Teaching Mathematics and Its Applications](#), 36(3), 151-166.

122 Reyes-Rodriguez, A., Santos-Trigo, M. & Barrera-Mora, F. (2017). The Construction of a Square Through Multiple Approaches to Foster Learners' Mathematical Thinking. [Teaching Mathematics and Its Applications](#), 36(3), 167-181.

123 Elizalde-Barrera, C. I., Estrada-Garcia, T., Lozano-Nuevo, J. J., Garro-Almendaro, A. K., Lopez-Saucedo, C. & Rubio-Guerra, A. F. (2017). Serum Uric Acid Levels Are Associated With Homeostasis Model Assessment in Obese Nondiabetic Patients: Homa and Uric Acid. [Therapeutic Advances in Endocrinology and Metabolism](#), 8(10), 141-146.

#### **[ARTÍCULOS E] – CARTAS AL EDITOR O COMENTARIOS PUBLICADOS EN REVISTAS INTERNACIONALES**

124 Pfeiler, E. & Markow, T. A. (2017). Population Connectivity and Genetic Diversity in Long-Distance Migrating Insects: Divergent Patterns in Representative Butterflies and Dragonflies. [Biological Journal of the Linnean Society](#), 122(2), 479-486.

125 Reyes, J. L. (2017). Beneficial or Deleterious Effects of Vascular Endothelial Growth Factor May Depend on the Isoform Involved. [Journal of Physiology-London](#), 595(19), 6227.

126 Ordorica-Flores, R., Minor-Martinez, A., Perez-Escamirosa, F. & Lorias-Espinoza, D. (2017). Microsurgical Precision Grip and Spring Instrument With a Ring Supporter. [Microsurgery](#), 37(6), 726-727.

127 Totomoch-Serra, A., Marquez, M. F. & Cervantes-Barragan, D. E. (2017). Clinical heterogeneity in Andersen-Tawil syndrome. [Neuromuscular Disorders](#), 27(11), 1074-1075.

## **[ARTÍCULOS G] – RESÚMENES PUBLICADOS EN REVISTAS**

128 Labastida-Ramirez, A., Chan, K. Y. Y., Haanes, K. A. et al. (2017). Characterization of Several Adenosine A2a Receptor Antagonists Using an in Vivo Pharmacological Model of Migraine. [Cephalalgia](#), 37, 75-76.

129 Rubio-Beltran, E., Labastida-Ramirez, A., Hernandez-Abreu, O., Maassenvandenbrink, A. & Villalon, C. M. (2017). Pharmacological Analysis of the Inhibitory Effects Produced by Moxonidine and Agmatine on the Sensory Vasodepressor Cgrpergic Outflow in Pithed Rats. [Cephalalgia](#), 37, 76-77.

## **[ARTÍCULOS R (2.2)] – ARTÍCULOS DE REVISIÓN PUBLICADOS EN REVISTAS O LIBROS RECONOCIDOS**

130 Fargher, L. F. (2017). Ancient Teotihuacan: Early Urbanism in Central Mexico. [Cambridge Archaeological Journal](#), 27(3), 576-578.

131 Alvarez-Sanchez, M. E., Villalpando, J. L., Quintas-Granados, L. I. & Arroyo, R. (2017). Polyamine Transport and Synthesis in Trichomonas Vaginalis: Potential Therapeutic Targets. [Current Pharmaceutical Design](#), 23(23), 3359-3366.

132 Diaz-Jimenez, D. F. (2017). Fungal Mannosyltransferases as Fitness Attributes and Their Contribution to Virulence. [Current Protein & Peptide Science](#), 18(11), 1065-1073.

133 Vargas-Caporali, J. & Juaristi, E. (2017). Fundamental Developments of Chiral Phase Chromatography in Connection With Enantioselective Synthesis of Beta-Amino Acids. [Israel Journal of Chemistry](#), 57(9), 896-912.

134 Hernandez-Zimbron, L. F., Gullias-Canizo, R., Golzarri, M. F., Martinez-Baez, B. E., Quiroz-Mercado, H. & Gonzalez-Salinas, R. (2017). Molecular Age-Related Changes in the Anterior Segment of the Eye. [Journal of Ophthalmology](#), 2017, 1295132.

135 Vivar, C. & Van Praag, H. (2017). Running Changes the Brain: the Long and the Short of It. [Physiology](#), 32(6), 410-424.