



Líneas de investigación

- 1. Enfermedades infecciosas.**
- 2. Reproducción.**
- 3. Nutrición Animal.**
- 4. Patología de enfermedades no infecciosas.**
- 5. Farmacología, Fisiología y Terapéutica.**
- 6. Etología, Bienestar Animal y Conservación.**
- 7. Salud Pública y Epidemiología.**
- 8. Genética.**
- 9. Sistemas de producción, Atención Clínica y Educación.**

Artículos publicados en revistas indizadas
por línea de investigación
2019

Línea 1. Enfermedades Infecciosas

N°	Artículo
1.	Adhikari B, Hernandez-Patlan D, Solis-Cruz B, Kwon YM, Arreguin MA, Latorre JD, Hernandez-Velasco X, Hargis BM and Tellez-Isaias G (2019). Evaluation of the Antimicrobial and Anti-inflammatory Properties of Bacillus-DFM (Norum TM) in Broiler Chickens Infected With <i>Salmonella enteritidis</i> . Front. Vet. Sci. 6:282. doi: 10.3389/fvets.2019.00282
2.	Agustin Fernandez-Salasa, Miguel Angel Alonso-Diaz, Rogelio Alejandro Alonso-Morales. Effect of entomopathogenic native fungi from paddock soils against <i>Rhipicephalus microplus</i> larvae with different toxicological behaviors to acaricides. Experimental Parasitology. 2019; 204:0. 1-6. https://doi.org/10.1016/j.exppara.2019.107729 .
3.	Anaid Maciel-Rivera, Susana Flores-Villalva, Itzel Jiménez-Vázquez, Omar Catalán-Bárceñas, Clara Inés Espitia-Pinzón, Julio Morán, Lourdes Arriaga-Pizano, Alejandro Benítez-Guzmán, Edgar Alfonseca-Silva, Gutiérrez Pabello José Ángel Guadalupe. <i>Mycobacterium Tuberculosis</i> and <i>Mycobacterium Bovis</i> derived proteins induce caspase-independent apoptosis in bovine macrophages. Veterinaria Mexico OA. 2019; 6:9
4.	Andrea Cháves, Carlos Ibarra-Cerdeña Andrés M López-Pérez, Gerardo Suzán, Gustavo Adolfo Gutiérrez-Espeleta. <i>Bocaparvovirus</i> , <i>erythroparvovirus</i> and <i>tetraparvovirus</i> in new world primates from Central America. Transboundary Emerging Diseases. 2019; 16 doi: https://doi.org/10.1101/588079
5.	Andrés M López-Pérez, Jesus David Licon-Enriquez, Sokani Sánchez-Montes, Gerardo Suzán, Pablo Colunga-Salas, Ingeborg Becker, Carmen Guzmán-Cornejo, Emily Pascoe, Janet Foley, Jesus Delgado-De La Mora. Molecular evidence of <i>Borrelia burgdorferi</i> sensu stricto and <i>Rickettsia massiliae</i> in ticks collected from a domestic-wild carnivore interface in Chihuahua, Mexico. Ticks And Tick-Borne Diseases. 2019; 10:5 1118-1123 doi: 10.1016/j.ttbdis.2019.05.018
6.	Araiza-Villanueva M, Avila-Calderón ED, Flores-Romo L, Calderón-Amador J, Sriranganathan N, Qublan HA, Witonsky S, Aguilera-Areola MG, Ruiz-Palma MdS, Ruiz EA, Suárez-Güemes F, Gómez-Lunar Z and Contreras-Rodríguez A. Proteomic Analysis of Membrane Blebs of <i>Brucella abortus</i> 2308 and RB51 and Their Evaluation as an Acellular Vaccine. Front. Microbiol. 10:2714. doi: 10.3389/fmicb.2019.02714
7.	Arregui-Nava M, Hernández-Patlán D, Solis-Cruz B, Latorre Jd, Hernandez-Velasco X, Tellez Jr G, El-Ashram S, Hargis Bm, Tellez-Isaias G. Isolation and Identification of Lactic Acid Bacteria Probiotic Culture Candidates for the Treatment of <i>Salmonella enterica</i> Serovar Enteritidis in Neonatal Turkey Poults. Animals. 2019; 9:0.696-0. doi:10.3390/ani9090696
8.	Arregui-Nava M., Graham B.D., Adhikari B., Agnello M., Selby C.M., Hernandez-Velasco X., Vuong Cn., Solis-Cruz B., Hernandez-Patlan D., Latorre J.D., Tellez G.Jr., Hargis B.M., Tellez-Isaias G. Evaluation of in ovo <i>Bacillus</i> spp based probiotic administration on horizontal transmission of virulent <i>Escherichia coli</i> in neonatal broiler chickens. Poultry Sciences. 2019; 98:0.6483-6491. http://dx.doi.org/10.3382/ps/pez544

9. B.D.Graham, K.M. Robbins, K. D. Teague, L.E. Graham, R. Merino-Guzman, G. Tellez and B. M. Hargis. Evaluation of the efficacy of a candidate turkey cellulitis/dermatitis oil emulsion vaccine on immune response and mortality under laboratory and commercial conditions. The journal of applied poultry research. 2019; 2: 4. doi.org/10.3382/japr/pfz038

N°	Artículo
10.	Benítez-Guzmán A, Esquivel-Solís H, Romero-Torres C, Arriaga-Díaz C, Gutiérrez-Pabello JA. Genetically Related <i>Mycobacterium Bovis</i> Strains Displayed Differential Intracellular Growth in Bovine Macrophages. Veterinary Science 2019 Oct 18;6(4). pii E81. doi 10.3390/vetsci6040081
11.	Bernardo Saucedo, José M. Serrano Orc ID, Mónica Jacinto-Maldonado, Rob S.E. W. Leuven, Abraham A. Rocha García, Adriana Méndez Bernal, Andrea Gröne Steven J. Van Beurden and César M. Escobedo-Bonilla. Pathogen Risk Analysis for Wild Amphibian Populations Following the First Report of a Ranavirus Outbreak in Farmed American Bullfrogs (<i>Lithobates catesbeianus</i>) from Northern Mexico. Viruses. 2019; 11: 1 https://doi.org/10.3390/v11010026
12.	Carrisoza-Urbina J., Morales-Salinas E., Bedolla-Alva MA., Hernández-Pando R., Gutiérrez-Pabello JA. Atypical granuloma formation in <i>Mycobacterium Bovis</i> -Infected calves. PLOS ONE. 2019; 14:7. doi.org/10.1371/journal.pone.0218547
13.	David Jáuregui-Zúñiga, Martha Pedraza-Escalona, Rubén Merino-Guzman, Lourival D. Possani. Construction and expression of a single-chain variable fragment antibody against chicken DEC 205 for targeting the bacterial expressed hemagglutinin-neuraminidase of Newcastle disease virus. Veterinary Immunology and Immunopathology. 2019; 212: 9-14 doi.org/10.1016/j.vetimm.2019.05.001
14.	Díaz-Cortés J, Vega-Manríquez X And Verdugo-Rodríguez A. Identification of <i>fliC</i> and flagella expression in <i>salmonella enterica</i> subspecies <i>enterica</i> serovar <i>gallinarum</i> biovar <i>gallinarum</i> . African Journal of Microbiology Research. 2019;13:2 40-49 10.5897/AJMR2018.8959
15.	Eric Daniel Avila-Calderón, Leopoldo Flores-Romo, Witonsky Sharon, Luis Donis-Maturano, Miguel Angel Becerril-García, Ma. Guadalupe Aguilera Arreola, Beatriz Arellano Reynoso, Francisco Suarez Güemes, Araceli Contreras-Rodríguez. Dendritic cells and <i>Brucella</i> spp. interaction: the sentinel host and the stealthy pathogen. Folia Microbiologica 2019; 64:382. https://doi.org/10.1007/s12223-019-00691-6
16.	Erik Nieto-Patlán, Jeanet Serafín-López, Isabel Wong-Baeza, Sonia M. Pérez-Tapia, Laura Cobos-Marín, Sergio Estrada-Parra, Iris Estrada-García, Alma D. Chávez-Blanco, Rommel Chacón-Salinas. Valproic acid promotes a decrease in mycobacterial survival by enhancing nitric oxide production in macrophages stimulated with IFN- γ . Tuberculosis. 2019; 114: 123 10.1007/s11259-016-9666-5
17.	Hugo Mendoza, André V Rubio, Gabriel E García-Peña, Gerardo Suzán y Javier A Simonetti. Does land-use change increase the abundance of zoonotic reservoirs? Rodents say yes. European Journal Of Wildlife Research. 2019; 66 (1):6. doi.org/10.1007/s10344-019-1344-9
18.	Jesús Zepeda-Cervantes, Adolfo Cruz Reséndiz, Alicia Sampieri, Rosalba Carreón-Nápoles, José Iván Sánchez Betancourt, Luis Vaca. Incorporation of ORF2 from Porcine Circovirus Type 2 (PCV2) into genetically encoded nanoparticles as a novel vaccine using a self-aggregating peptide. Vaccine. 2019; 1928-1937 https://doi.org/10.1016/j.vaccine.2019.02.044
19.	Juan M García Lobo, Yelina Ortiz, Candela Gonzalez-Riancho, Asunción Seoane, Beatriz Arellano-Reynoso, And Félix J Sangari. Polymorphisms in <i>Brucella</i> Carbonic Anhydrase II Mediate CO ₂ Dependence and Fitness in vivo. Frontiers in Microbiology. 2019; 0:0. 1 -13 doi: 10.3389/fmicb.2019.02751

20. Ladrón de Guevara O.S., Pérez, R., JJ., Pérez MM., Flores PFI., Romero, C.E. *Eimeria spp. in broiler rabbit: seasonal prevalence in backyard farms of the State of Mexico*. *Veterinaria Italiana* 2019, 55 (2), 183-187 DOI:10.12834/VetIt.443.2154.3

N°	Artículo
21.	Laura Cobos Marín, Alejandro Rodríguez Monterde, Liliana M. Valdés Vázquez. Encefalitis Equina del oeste. Veterinaria México OA. 2019; 6:3. 10.22201/fmvz.24486760e.2019.3.785.
22.	Lauro Velazquez-Salinas, Antonio Verdugo-Rodriguez, Luis L Rodriguez And Manuel V Borca. The Role of Interleukin 6 During Viral Infections. Frontiers in Microbiology. 2019; 10:0. 1-6 https://doi.org/10.3389/fmicb.2019.01057
23.	Lizeth Guadalupe Campos-Múzquiz, Estela Teresita Méndez-Olvera, Beatriz Arellano-Reynoso, Daniel Martínez-Gómez. <i>Campylobacter fetus</i> is Internalized by Bovine Endometrial Epithelial Cells. Polish Journal Of Microbiology. 2019; 68:2. 217-224 https://doi.org/10.33073/pjm-2019-022
24.	López-Pérez, AM, Moreno, K, Cháves, A, Ibarra-Cerdeña, C N, Rubio, A, Foley, J, List, R And Suzán, G. Carnivore Protoparvovirus 1 at the Wild-Domestic Carnivore Interface in Northwestern Mexico. Ecohealth. 2019;16(3) 502-511 doi.org/10.1007/s10393-019-01436-0
25.	Luay Martínez-Chavarría, Alheli T. Lugo-García, Laura P. Romero-Romero, Luis J. García-Márquez, Alonso Reyes-Matute Outbreak of francisellosis (<i>Francisella noatunensis</i> subsp orientalis) in cultured neon jewel cichlids <i>Hemichromis bimaculatus</i> from Morelos, México. Dis Aquat Org. 2019; 137:0 125-130. DOI: 10.3354/dao03429
26.	María de los Angeles Peralta-Martínez, Marco Linné Unzueta-Bustamante, Hugo H Montaldo, Alejandra Caballero-Zamora, Héctor Castillo-Juárez. Morphometric relationships among spermatophore structures and their association with female fertility in the Pacific white shrimp <i>Litopenaeus vannamei</i> . Journal of Applied Aquaculture, 31:4, 301-308, DOI: 10.1080/10454438.2019.1586614
27.	Mariana Reyes-Quintana, Laura G. Espinosa-Montaño, Daniel Prieto- Merlos, Gun Koleoglu, Tatiana Petukhova, Adriana Correa-Benítez, Ernesto Guzman-Novoa. Impact of <i>Varroa destructor</i> and deformed wing virus on emergence, cellular immunity, wing integrity and survivorship of africanized honey bees in Mexico. Journal of Invertebrate Pathology. 2019; 164:43. Doi. org/10.1016/j.jip.2019.04.009
28.	Merino-Charrez Octavio, Gomez Romero Ninnet, Barrera Molina Ivette, Lagues Quintanilla Rodolfo. <i>In silico</i> analysis of the <i>subolesin</i> gene as a possible vaccine against <i>Rhipicephalus microplus</i> ticks. Ecosistemas y recursos agropecuarios 2019; 16:16. Doi.org/10.19136/era.a6n161832hh
29.	Mireya Juárez-Ramírez, Iván Sánchez Betancourt, María Elena Trujillo-Ortega, Susana Mendoza Elvira, Rosalba Carreón Napoles, Benjamín Fuente-Martínez, Francisco J Trigo-Tavera. Clinical evaluation, serological response and lesions generated by the A/Mexico/ La Gloria-3/2009/H1N1 and A/swine/New Jersey/11/1976/H1N1 influenza viruses in calostrated and non-colostrated pigs. Virus Dis. 2019; 30:3 433-440 doi: 10.1007/s13337-019-00531-8
30.	Montserrat E. García-Hernández, Rosa E. Sarmiento-Silva, Liliana M. Valdés-Vázquez, Laura Cobos-Marín. Evidencia serológica de infección por herpesvirus caprino tipo 1 en cabras en México. Rev Mex Cienc Pecu. 2019; 10:2 506-510. https://doi.org/10.22319/rmcp.v10i2.4791
31.	Moreno-Torres A, Malvido-Jiménez IR, Peña-Moctezuma A, Castillo Sánchez LO, Fraga TR, Barbosa AS, Isaac L, Sahagún-Ruiz A. Culture-attenuated pathogenic <i>Leptospira</i> lose the ability to survive to complement-mediated-killing due to lower expression of factor H binding proteins. Microbes And Infection. 2019. 377-385 doi:10.1016/j.micinf.2019.03.001
32.	Morgan N Clint, López Pérez Andres, Martínez Duque Paola, Suzán Gerardo, Gallardo Romero Nadia. Prevalence of antibodies to orthopoxvirus in wild carnivores of northwestern Chihuahua, Mexico. Journal of Wildlife Diseases. 2019;55:3 637-644 https://doi.org/10.7589/2018-07-184

N°	Artículo
33.	Muñoz, GCI., Guzmán, C.C., Rendón, F.E., Villanueva G.C., Sánchez, MS., Acosta, GR., Romero, CE., Díaz, LH., Martínez C.C., Berriatua E. Epidemiological study of ticks collected from the northern tamandua (<i>Tamandua mexicana</i>) and a literature review of ticks of Myrmecophagidae anteaters. Ticks and Ticks-borne Diseases. 2019; 10; 5. doi.org/10.1016/j.ttbdis.2019.06.005
34.	Muñoz, GCI., Sánchez, MOS., Villanueva, GC., Romero, CE., Díaz, L. HM., Gordillo Ch EJ., Martínez, CC., Berriatura, E. The role of sloths and anteaters as <i>Leishmania</i> spp. reservoirs: a review and a newly described natural infection of <i>Leishmania mexicana</i> in the northern anteater. Parasitology Research. Protozoology 2019; 118: (4). https://doi.org/10.1007/s00436-019-06253-6
35.	Nava-Castro KE, Solleiro-Villavicencio H, Río-Araiza VHD, Segovia-Mendoza M4, Pérez-Torres A, Morales-Montor J. Sex-associated protective effect of early bisphenol-A exposure during enteric infection with <i>Trichinella spiralis</i> in mice. PLoS One. 2019. 10.1371/journal.pone.0218198
36.	Nieto Rabiela Fabiola, Wiratsudakul Anuwat, Suzán Gerardo, Rico Chávez. Viral networks and detection of potential zoonotic viruses in bats and rodent: a worldwide analysis metacommunities associated to bats and rodents: a worldwide analysis. Zoonoses Public Health. 2019; 66:6. 655-666 doi: 10.1111/zph.12618
37.	Ortega-Vargas S, Espitia C, Sahagún-Ruiz A, Parada C, Balderas-Loeza A, Villa-Mancera A, Quiroz-Romero H. Moderate protection is induced by a chimeric protein composed of leucine aminopeptidase and cathepsin L1 against <i>Fasciola hepatica</i> challenge in sheep. Vaccine. 2019; 37:24. DOI: 10.1016/j.vaccine.2019.04.067
38.	Pérez-Rivera C, Ramírez-Mendoza H, Mendoza-Elvira S, Segura-Velázquez R, Sánchez-Betancourt JI. First report and phylogenetic analysis of porcine deltacoronavirus in Mexico. Transboundary and Emerging Diseases 2019; 66: 4. doi.org/10.1111/tbed.13193
39.	Richard Whittington, et al. Control of paratuberculosis: who, why and how. A review of 48 countries. BMC Veterinary Research (2019) 15:198 https://doi.org/10.1186/s12917-019-1943-4
40.	Rosa Elena Sarmiento-Silva, Francisco Arenas-Huertero. Hepatitis E in Latin America. Annals of Hepatology. 18 (2019) 541-542, https://doi.org/10.1016/j.aohep.2019.05.004
41.	Ruiz-Manzano RA, Hernández-Cervantes R, Del Río-Araiza VH, Palacios-Arreola MI, Nava-Castro KE, Morales-Montor J. Immune response to chronic <i>Toxocara canis</i> infection in a mice model. Parasite Immunology 2019; 41:12. doi.org/10.1111/pim.12672
42.	S. Escaren O-Díaz, M.A. Alonso-Díaz, P. Mendoza de Gives, E. Castillo-Gallegos, E. von Son-de Fernex. Anthelmintic-like activity of polyphenolic compounds and their interactions against the cattle nematode <i>Cooperia punctata</i> . Veterinary Parasitology. 2019; 274. doi.org/10.1016/j.vetpar.2019.08.003
43.	Saavedra-Montañez M, Vaca L, Ramírez-Mendoza H, Gaitán-Peredo C, Bautista-Martínez R, Segura-Velázquez R, Cervantes-Torres J, Sánchez-Betancourt I. Identification and genomic characterization of influenza viruses with different origin in Mexican pigs. Transboundary and Emerging Diseases 2019; 66: 1. doi.org/10.1111/tbed.12998

N°	Artículo
44.	Saúl Reveles-Félix, Rosalba Carreón-Nápoles, Susana Mendoza-Elvira, Víctor Quintero-Ramírez, Juvencio García-Sánchez, Rebeca Martínez-Bautista, Manuel Saavedra-Montañez, Juan Joel Mosqueda, José Ivan Sánchez-Betancourt. Emerging strains of porcine epidemic diarrhoea virus (pedv) in Mexico. <i>Transbound Emerg Dis.</i> 2019;0:01-7 10.1111/tbed.13426
45.	Sotomayor Bonilla Jesús, Moreira Soto Andrés, Mendizabal Daniel, Soley Guardia Mariano, Ramírez Fernández José Daniel, Villalobos Chaves David, Niehaus Carmen, Gutiérrez Espeleta Gustavo, Rico Chávez Oscar, Foley Janet, Suzán Gerardo, Chaves Friedlander Andrea. Diverse beta and gammaherpesviruses in neotropical rodents from Costa Rica. <i>Journal of Wildlife Diseases.</i> 2019; 55:3 doi: 10.7589/2018-05-117
46.	V.A. Avila-Reyes, V. Díaz-Morales, F. Chávez-Maya, G. García-Espinosa, F.D. Sánchez-Gody. Outbreak of Systemic Avian Pox in Canaries (<i>Serinus canaria domestica</i>) Associated with the B1 Subgroup of Avian Pox Viruses. <i>Avian Diseases.</i> 2019; 63: https://doi.org/10.1637/12038-011819-Case.1
47.	Velázquez-Jimenez Y; Hernández-Castro R; Romero-Romero I; Salas-Garrido G; Martínez-Chavarría Lc. Feline Phaeohyphomycotic Cerebellitis Caused by <i>Cladosporium cladosporioides</i> -complex: Case Report and Review of Literature. <i>Journal Comparative Pathology.</i> 2019; 170:078– 85. https://doi.org/10.1016/j.jcpa.2019.05.011
48.	Velazquez-Salinas Lauro, Pauszek Steven J, Stenfeldt Carolina, O Hearn Emily S, Pacheco Juan M, Borca Manuel V, Verdugo-Rodriguez Antonio, Arzt Jonathan, Rodriguez Luis L. Validation of a site-specific recombination cloning technique for the rapid development of a full-length cDNA clone of a virulent field strain of vesicular stomatitis New Jersey virus. <i>Journal of Virological Methods.</i> 2019; 265:0 113–116 DOI:10.1016/j.jviromet.2019.01.003
49.	Vigueras-Galván AL, López-Pérez AM, García-Peña GE, Rico-Chávez O, Sarmiento-Silva RE, Suzán G. Current Situation and Perspectives on Hantaviruses in Mexico. <i>Viruses.</i> 2019 12; 11(7):642. https://doi.org/10.3390/v11070642
50.	Zhu H, Damdinjav B, Gonzalez G, Patrono LV, Ramirez-Mendoza H, Amat JAR, Crispell J, Parr YA, Hammond TA, Shiilegdamba E, Leung YHC, Peiris M, Marshall JF, Hughes J, Gilbert M, Murcia PR. Absence of adaptive evolution is the main barrier against influenza emergence in horses in Asia despite frequent virus interspecies transmission from wild birds. <i>PLoS Pathogens.</i> 2019; 15:2. doi. org/10.1371/journal.ppat.1007531
51.	Zipfel, P.F., Dasari, P., Koleci, N., Shopova, I., Wartenberg, D., Beyersdorf, N., Dietrich, N., Sahagún-Ruiz A., Skerka, C., and Brakhage, A. A. Enolase From <i>Aspergillus fumigatus</i> Is a Moonlighting Protein That Binds the Human Plasma Complement Proteins Factor H, FHL-1, C4BP, and Plasminogen. <i>Frontiers in Immunology.</i> 2019; 10:2573 doi.org/10.3389/fimmu.2019.02573

Línea 2. Reproducción

N°	Artículo
1.	Agustín Orihuela and Carlos S. Galina. Effects of Separation of Cows and Calves on Reproductive Performance and Animal Welfare in Tropical Beef Cattle. <i>Animals</i> . 2019;9:5. https://doi.org/10.3390/ani9050223
2.	Carlos G. Gutiérrez Aguilar, Adrián Guzmán, Cyndi G. Hernández-Coronado, Héctor Castillo Juárez, Francisco Fierro, Rafael Bojalil, Ana Ma. Rosales Torres. Co-ordinated expression of the VEGF system components in granulosa cells to develop a proangiogenic autocrine milieu during ovarian follicle development. <i>Molecular Reproduction And Development</i> . 2019;86:2.156-165. doi: 10.1002/mrd.23089
3.	Diana García-Vargas, Lizbeth Juárez-Rojas, Susana Rojas Maya, and Socorro Retana-Márquez. Prenatal stress decreases sperm quality, mature follicles and fertility in rats. <i>Systems Biology in Reproductive Medicine</i> . 2019; 0:0.1-16. https://doi.org/10.1080/19396368.2019.1567870
4.	Díaz D, Rosiles RJ, Urias-Castro CJ, Rodríguez-Gaxiola MA, Gaxiola SM, Montero-Pardo A. Systematic review and meta-analysis of the efficacy of reproductive management practices used to induce resumption of ovarian cyclical activity in anestrus does. <i>Preventive Veterinary Medicine</i> . 2019; 169:0. 215-220. https://doi.org/10.1016/j.prevetmed.2019.104709
5.	Miguel-Cruz E, Mejía O, Zarco L. Induction of fertile estrus without the use of steroid hormones in seasonally anestrus Suffolk ewes. <i>Asian-Australas Journal of Animal Sciences</i> . 2019; 32(11): 1673-1685. Doi:10.5713/ajas.18.0769
6.	Ortiz-Carrera L, Aceves-Ramos A, Zarco L, Valencia J, Romano Mc. The effect of letrozole administration on the aggressive behavior and reproductive parameters of male goats (<i>Capra hircus</i>). <i>Small Ruminant Research</i> . 2019; 174:0. 69-76. https://doi.org/10.1016/j.smallrumres.2019.02.001
7.	Romero-Palacios Sergio, Rojas-Maya Susana, Delgadillo José Alberto, Retana-Márquez Socorro. <i>Leucaena leucocephala</i> extract has estrogenic and antiestrogenic actions on female rat reproduction. <i>Physiology & Behavior</i> . 2019; 211:0.1-12. https://doi.org/10.1016/j.physbeh.2019.112683
8.	Sheila Peña-Corona, Pablo León, Enrique Mendieta, Maximiliano Villanueva, Arturo Salame, Dinorah Vargas, Guillermo Mora, Héctor Serrano, Alejandro Villa-Godoy. Effect of a single application of coumestrol and/or dimethyl sulfoxide, on sex hormone levels and vaginal cytology of anestrus bitches. <i>Veterinaria México OA</i> . 2019; 6:1. http://dx.doi.org/10.22201/fmvz.24486760e.2019.1.656
9.	Susana Espinosa Hernández, Martínez Gamba Roberto and Luz Valeria Martínez Carrillo. Methodology for the evaluation of reproductive management in pig farms. <i>Journal of Agricultural Science and Technology</i> . 2019; 8:0.388-397 doi:10.17265/2161-6256/2018.06.006
10.	Vigueras-Villaseñor RM, Jiménez Cabrera T, Chávez Saldaña M, Jiménez Trejo F, Cuevas Alpuche O, Rojas-Castañeda JC. Epigallocatechin-3-gallate protects the testis from damage generated by experimental cryptorchidism in rabbits. <i>Histology and Histopathology</i> . 2019; 34:8. DOI:10.14670/HH-18-096

Línea 3. Nutrición Animal

N°	Artículo
1.	Adrian Gloria Trujillo, David Hernández Sánchez, Omar Hernández Mendo, María M Crosby Galván, Edgar Meraz Romero, Miguel A Mata Espinosa, René Pinto Ruíz. BIOHIDROGENACIÓN RUMINAL DE ÁCIDOS GRASOS EN CARNEROS COMPLEMENTADOS CON <i>Sacharomyces cerevisiae</i> . <i>Agrociencia</i> . 2019;53:1 13-23 https://www.colpos.mx/agrocien/Bimestral/2019/ene-feb/art-2.pdf
2.	Aklilu Alemu, Atmir Romero , Rafael Araujo, Karen Beauchemin. Effect of Encapsulated Nitrate and Microencapsulated Blend of Essential Oils on Growth Performance and Methane Emissions from Beef Steers Fed Backgrounding Diets. <i>Animals</i> . 2019; 9:1 doi.org/10.3390/ani9010021
3.	Arce MJ, Cortes CA , Lopez CC , Perez CJG, Gonzalez DSLC, Herrera CJ, Avila GE. PERFORMANCE RESPONSE OF BROILER CHICKENS TO THE REPLACEMENT OF SOYBEAN OIL AND ACIDULATED FATTY ACIDS BY LECITHIN IN THE DIET. <i>Tropical and Subtropical Agroecosystems</i> . 2019; 22:1 531-536 http://www.revista.ccba.uady.mx/urn:ISSN:1870-0462-tsaes.v22i2.2849
4.	Betsabé Cañedo-Castro, Alejandra Piñón-Gimate, Silvia Carrillo, David Ramos, Margarita Casas-Valdez. Prebiotic effect of <i>Ulvarigida</i> meal on the intestinal integrity and serum cholesterol and triglyceride content in broilers. <i>Journal Of Applied Phycology</i> . 2019; 31:5 https://doi.org/10.1007/s10811-019-01785-x
5.	Cortes AC , Arce J, Avila E, Lopez C. Phosphorus bioavailability, amino acid digestibility and metabolizable energy of broiler chick diets supplemented with low-oil distiller's dried grains with soluble. <i>Veterinaria México OA</i> . 2019; 6:3. 10.22201/fmvz24486760e2019.3.785
6.	Daniel Hernandez-Patlan, Bruno Solis-Cruz, Karine P. Pontin, Juan D. Latorre, Xochitl Hernandez-Velasco, Ruben Merino-Guzman , Abraham Mendez-Albores, Billy M. Hargis, Raquel Lopez-Arellano, Guillermo Tellez-Isaias. Evaluation of Ascorbic Acid or Curcumin Formulated in a Solid Dispersion on <i>Salmonella</i> Enteritidis Infection and Intestinal Integrity in Broiler Chickens. <i>Pathogens</i> . 2019; 8: 229. DOI: 10.3390/pathogens8040229
7.	Daniel Hernandez-Patlan, Bruno Solis-Cruz, Karine. Impact of a <i>Bacillus</i> Direct-Fed Microbial on Growth Performance, Intestinal Barrier Integrity, Necrotic Enteritis Lesions, and Ileal Microbiota in Broiler Chickens Using a Laboratory Challenge Model. <i>Frontiers In Veterinary Science</i> . 2019; 6: 108. DOI: 10.3389/fvets.2019.00108
8.	Epigmenio Castillo Gallegos ; Bernardo de Jesús Marín Mejía. Segmented regression to describe cumulative milk production of grazing dual-purpose Holstein-Zebu cows. <i>Tropical Animal Health and Production</i> 2019; 51:4 https://doi.org/10.1007/s11250-018-1760-y
9.	Estrada-Angulo A., Coronel-Burgos F., Castro-Pérez B.I., Barreras A., Zinn R.A., Corona-Gochi L and Plascencia A. Evaluation of panicle residue from broom sorghum as a feed ingredient in finishing diets for lambs. <i>Animal</i> . 2019; 19:1. DOI: 10.1017/S1751731118001015
10.	Fernandez SR, Charraga S, Avila GE . Evaluation of a new generation phytase on phytate phosphorus release for egg production and tibia strength in hens fed a corn-soybean meal diet. <i>Poultry Science</i> . 2019; 98:05 10.3382/PS/PEY558

N°	Artículo
11.	Fuente MB, Carranco JM, Barrita RV, Avila GE, Sangines GL. Effect of tithonia diversifolia meal on productive variables in laying hens. <i>Abanico Veterinario</i> . 2019; 9. DOI:10.21929/AbaVet2019.911
12.	Hernandez-Patlan, D., Solís-Cruz, B., Patrín Pontin, K., Latorre, J. D., Baxter, M. F., Hernández-Velasco, X., Merino-Guzmán, R., Méndez-Albores, A., Hargis, B. M., López-Arellano, R., Tellez-Isaias, G. Evaluation of the Dietary Supplementation of a Formulation Containing Ascorbic Acid and a Solid Dispersion of Curcumin with Boric Acid against <i>Salmonella</i> Enteritidis and Necrotic Enteritis in Broiler Chickens. <i>Animals</i> . 2019; 9:184 DOI: 10.3390/ani904018
13.	I. Sandoval-Mosqueda, A. Llorente-Bousquets, J.F. Montiel-Sosa, L. Corona and Z. Guadarrama-Álvarez. Encapsulation of <i>Lactobacillus plantarum</i> ATCC 8014 and <i>Pediococcus acidilactici</i> ATCC 8042 in a freeze-dried alginate-gum arabic system and its <i>in vitro</i> testing under gastrointestinal conditions. <i>Journal of Microencapsulation</i> 2019; 36:7 10.1080/02652048.2019.1660729.
14.	J.A. Díaz-Alonso, S. Gómez Rosales, M. de L. Angeles, E. Avila-González and C. López Coello. Effects of the Level and Relationship of Calcium and Available Phosphorus on the Growth and Tibia Mineralization of Broiler Starter Chickens. <i>J. Appl. Poult.</i> 2019; 28 dx.doi.org/10.3382/japr/pfy077
15.	J.O. Hernández-Ramírez, M.J. Nava-Ramírez, R. Merino-Guzmán, G. Téllez-Isaias, A. Vázquez-Durán, A. Méndez-Albores. The effect of moderate-dose aflatoxin B ₁ and <i>Salmonella</i> Enteritidis infection on intestinal permeability in broiler chickens. <i>Mycotoxin Research</i> . 2019. https://doi.org/10.1007/s12550-019-00367-7
16.	K. Pliego-Pliego, T. Sánchez-Torres, T. Salinas-Ríos, M. M. Crosby-Galván, C. Nava Cuéllar, J. L. Cordero Mora, J. L. Figueroa Velasco, A. Martínez-Aispuro and M. Cárdenas-León. <i>Reproductive and oxidative status of ewes supplemented with vitamin C during oestrous synchronization and early gestation</i> . <i>South African Journal of Animal Science</i> . 2019; 49:4. http://dx.doi.org/10.4314/sajas.v49i4.8
17.	Lidia Ascencio-Rojas, Braulio Valles-De La Mora, Epigmenio Castillo-Gallegos. <i>In situ</i> ruminal degradation and effective degradation of foliage from six tree species during dry and rainy seasons in Veracruz, Mexico. <i>Agroforestry Systems</i> . 2019; 93:1 123-133 DOI 10.1007/s10457-018-0184-z
18.	Lizbet K Gutiérrez-Prado; María T Sánchez-Torres-Esqueda; Teodulo Salinas-Ríos; José L Figueroa-Velasco; José A Martínez-Aispuro; David A Contreras-Caro-Del-Castillo; Mario Cárdenas-León; Cuauhtémoc Nava-Cuellar; José L Cordero-Mora; José L García-Cue. Coffee pulp supplementation prior to breeding improves oxidative status without affecting fertility of primiparous ewes. <i>Revista Colombiana de Ciencias Pecuarias</i> . 2019; 32 http://aprendeenlinea.udea.edu.co/revistas/index.php/rccp/article/view/338303
19.	Manuel Andrés González-Toimil, Pedro Garcés-Yépez, Luis Humberto López-Hernández, Diego Braña-Varela, Everardo González-Padilla. Efecto de la suplementación con minerales de fuentes queladas o inorgánicas y vitamina E en la calidad y estabilidad oxidativa de la carne de bovinos. <i>Revista Mexicana de Ciencias Pecuarias</i> . 2019; 10:4. doi.org/10.22319/rmcp.v10i4.4847
20.	Perez MJ, Cuca GM, Ramirez VG, Carrillo DS, Pro MA, Avila GE, Sosa ME. Evaluation of two soybean soapstocks in egg production and quality in Bovans hens. <i>Revista Mexicana de Ciencias Pecuarias</i> . 2019; 10(2) 283-297 https://doi.org/10.22319/rmcp.v10i2.4363

N°	Artículo
21.	Ramos VD, Gomez VG, Cortes CA, Del Rio GJC, Fernandez TS, C Garraga AS, Avila GE. Organic trace minerals on productive performance, egg quality and immune response in Bovans White laying hens. <i>Journal Animal Physiology Animal Nutrition</i> . 2019 103(5): 1484-1491 DOI:10.1111/jpn.13156
22.	Solis-Cruz, B., Hernandez-Patlan, D., Petrone, V.M., Pontin, K. P., Latorre, J.D., Beyssac, E. Hernández-Velasco X, Merino Guzmán R, Owens C, Hargis BM, Téllez-Isaías G & Lopez-Arellano, R. Evaluation of Cellulosic Polymers and Curcumin to Reduce Aflatoxin B1 Toxic Effects on Performance, Biochemical, and Immunological Parameters of Broiler Chickens. <i>Toxins</i> . 2019; 11: 121. DOI: 10.3390/toxins11020121
23.	Torrent J, Arce Menocal J, López Coello C, Ávila González E. Effects of functional oils on performance and carcass characteristics of broilers under two different temperature environments. <i>Poultry Science</i> . 2019;98: 6. doi.org/10.3382/ps/pez235
24.	Urías-Estrada J.D., Ramos-Méndez Jorge L., González-Vizcarra V.M., Barreras A, Manríquez MO., Plascencia A, Chirino-Romero Juan O., Estrada-Angulo A, Corona L., Castro-Pérez BI. Site and extent of digestion of nitrogen compounds and organic matter in steers fed a finishing diet with dried distillers grains plus solubles supplemented with urea. <i>Austral Journal of Veterinary Sciences</i> . 2019; 51:11. DOI: 10.4067/S0719-81322019000100103

Línea 4. Patología de Enfermedades no Infecciosas

N°	Artículo
1.	De Almeida Mallmann B, Martin EM, Soo Kim K, Calderon-Apodaca NL, Baxter MFA, Latorre JD, Hernandez-Velasco X, Paasch-Martinez L, Owens CM, Dridi S, Bottje WG, Greene ES, Tellez-Isaias G. Evaluation of Bone Marrow Adipose Tissue and Bone Mineralization on Broiler Chickens Affected by Wooden Breast Myopathy. <i>Front Physiol.</i> 2019 10:674. doi: 10.3389/fphys.2019.00674
2.	Diana Sánchez, Laura Romero, Sergio López, Margarita Campuzano, Rocío Ortega, Alfonso Morales, Marina Guadarrama, Gabriela Cesarman-Maus, Osvaldo García-Pérez and Marcela Lizano. F-FDG—PET/CT in Canine Mammary Gland Tumors. <i>Frontiers in Veterinary Science.</i> 2019; 6: 280 DOI: 10.3389/fvets.2019.00280
3.	Fátima Sofía Magaña-Guerrero, Joaquín Quiroz-Mercado, Nicolás Garfias-Zenteno, Yonathan Garfias. Comparative analysis of inflammatory response in the BALB/c and C57BL/6 mouse strains in an endotoxin-induced uveitis model. <i>Journal of Immunological Methods.</i> 2019; 476:0 1-6 https://doi.org/10.1016/j.jim.2019.112677
4.	José Antonio Gómez Ríos, Abelardo Antonio Rodríguez Reyes, José Ramírez Lezama, Iztcóatl Maldonado Reséndiz. PRIMARY INTRAOCULAR OSTEOSARCOMA WITH PULMONARY METASTASIS IN GUINEA PIG (<i>CAVIA PORCELLUS</i>). <i>Journal Of Exotic Pet Medicine.</i> 2019; 28:2 https://doi.org/10.1053/jepm.2018.02.044
5.	Lorenzo Alvarez, Sarah J.J. Adcock, Cassandra B. Tucker. Sensitivity and wound healing after hot-iron disbudding in goat kids. <i>Journal of Dairy Science.</i> 2019; 102 (11), 10152-10162. https://doi.org/10.3168/jds.2018-16062 .
6.	Luis Enrique García-Ortuño, Jonatan Barrera-Chimal, Rosalba Pérez-Villalva, Juan Antonio Ortega-Trejo, Emma Luna Bolaños, Ixchel Lima-Posada, Andrea Sánchez-Navarro, Luis Reyes-Castro, Gerardo Gamba, Elena Zambrano, Norma A. Bobadilla. Resilience to acute kidney injury in offspring of maternal protein restriction. <i>American Journal of Physiology, Renal Physiology.</i> 2019; 317:6. doi:10.1152/ajprenal.00356.2019
7.	Magalí V. Moreno-Fernández, Luis-Núñez Ochoa, Araceli Lima-Melo. Pathology in Practice. <i>Journal of the American Veterinary Medical Association.</i> 2019; 254:8. 931-933 DOI: /10.2460/javma
8.	Montoya-Ménez Celic Berenice, Ruíz-Ramírez Johnatan Alberto, García-Marquez Luis Jorge, Méndez-Bernal Adriana, Morales-Salinas Elizabeth, Ramírez-Romero Rafael, Martínez Burnes Julio, López-Mayagoitia Alfonso. Hepatogenous photosensitization by <i>Brachiararia</i> spp. in sheep: first report in Mexico. <i>Braz J Vet Pathol.</i> 2019; 12:3.128-133. doi: 10.24070/bjvp.1983-0246. v12i3p128-133
9.	Sánchez D, Sánchez-Verin R, Corona H, Gutiérrez A, Núñez-Ochoa L, Paredes J, Cesarman-Maus G. Canine lymphoma: Pathological and clinical characteristics of patients treated at a referral hospital. <i>Veterinaria México OA.</i> 2019; (2) doi:10.22201/fmvz.24486760e.2019.2.495
10.	Solis-Cruz B, Hernandez-Patlan D, Petrone Vm, Pontin Kp, Latorre Jd, Beyssac E, Hernandez-Velasco X, Merino-Guzman R, Arreguin Ma, Hargis Bm, Lopez-Arellano R, Tellez-Isaias G. Evaluation of a Bacillus-Based Direct- Fed Microbial on Aflatoxin B1 Toxic Effects, Performance, Immunological Status and Serum Biochemical Parameters in Broiler Chickens. <i>Avian Diseases.</i> 2019; 63:4. 659-669. doi: 10.1637/aviandiseases-D-19-00100
11.	Yarto E., Fajardo J., Moresko A, Arriaga I., Reyes-Matute A. Bilateral atrial thrombosis in an african hedgehog (<i>Atelerix lbiventris</i>) with cardiomyopathy, endometrial hyperplasia, and left cystic ovary. <i>J Exot Pet Med.</i> 2019. 1-4, https://doi.org/10.1053/j.jepm.2019.09.012

Línea 5. Farmacología, Fisiología y Terapéutica.

N°	Artículo
1.	Andres Rivera-Garcia, Liliana Santos-Ferro, Juan C. Ramirez-Orejel, Lourdes T. Agredano-Moreno, Luis F. Jimenez-Garcia, David Paez-Esquiliano, Eduardo Andrade-Esquivel, Jose A. Cano-Buendia . The effect of neutral electrolyzed water as a disinfectant of eggshells artificially contaminated with <i>Listeria monocytogenes</i> . Food Science and Nutrition. 2019; 7:7 DOI: 10.1002/fsn3.1053
2.	Aquino I, Gutiérrez-Blanco E, Ocampo L , Gutiérrez L, Bernad-Bernad MJ , Sumano H . Anesthetic evaluation of a novel phospholipid-free 1% propofol microemulsion formulation in dogs. Veterinaria México OA. 2019; 6 (3). DOI: 10.22201/fmvz.24486760e.2019.3.654
3.	Baxter MFA, Latorre JD, Dridi S, Merino-Guzman R , Hernandez-Velasco X , Hargis BM and Tellez-Isaias G. Identification of Serum Biomarkers for Intestinal Integrity in a Broiler Chicken Malabsorption Model. Front. Vet. Sci. 6:144. doi: 10.3389/fvets.2019.00144
4.	Camilo Ríos, Ana Cristina Farfán-Briseñoa, Joaquín Manjarrez-Marmolejo, Javier Franco-Pérez, Marisela Méndez-Armenta, Concepción Nava-Ruiz, Sara Caballero-Chacón , Amairani Ruiz-Díaz, Verónica Baron-Flores, Araceli Díaz-Ruiz. Efficacy of dapsone administered alone or in combination with diazepam to inhibit status epilepticus in rats. Brain Research. 2019; 1708:181. DOI: 10.1016/j.brainres.2018.12.017
5.	Cervantes-Valencia ME, Hermosilla C, Alcala-Canto Y , Tapia G, Taubert A, Silva LMR. Antiparasitic Efficacy of Curcumin Against <i>Besnoitia besnoiti</i> Tachyzoites <i>in vitro</i> . Frontiers In Veterinary Science. 2019, 5.10.3389/fvets.2018.00333
6.	Daniel Hernandez-Patlan, Bruno Solis-Cruz, Bishnu Adhikari, Karine P. Pontin, Juan D. Latorre, Mikayla F.A. Baxter, Xochitl Hernandez-Velasco , Ruben Merino-Guzman , Abraham Méndez-Albores, Young Min Kwon, Billy M. Hargis, Raquel López-Arellano, Margarita A. Arreguin-Nava, Guillermo Tellez-Isaias. Evaluation of the antimicrobial and intestinal integrity properties of boric acid in broiler chickens infected with <i>Salmonella enteritidis</i> : Proof of concept. Research In Veterinary Science. 2019, 123 doi.org/10.1016/j.rvsc.2018.12.00
7.	Estrada-San Agustín E , Gutiérrez L , Bernad M, Castillo-Juárez H, Sánchez S , Sumano H . Pharmacokinetics of two dosing forms of a recrystallized enrofloxacin as hydrochloride dihydrate in tilapia (<i>Oreochromis Niloticus</i> X <i>Oreochromis Mossambicus</i>). Aquaculture International. 2019; 27: 3 https://doi.org/10.1007/s10499-019-00371-9
8.	Gutierrez, L. , Mendoza, C.D.J., Rangel, A., Tapia-Perez, G., Bernad, M.J. Outpatient Clinical Trial in Dogs With Leptospirosis Treated With Enrofloxacin Hydrochloride-Dihydrate (ENRO-C). Frontiers In Veterinary Science. 2019; 6: 1. doi.org/10.3389/fvets.2019.00360
9.	Ismael Martínez-Cortés, Naray A. Acevedo-Domínguez, Roxana Olguin-Alor, Arimelek Cortés-Hernández, Violeta Álvarez-Jiménez, Marcia Campillo-Navarro, Héctor S. Sumano-López , Lilia Gutiérrez-Olvera , Daniel Martínez-Gómez, José L. Maravillas-Montero, Juan J. Loor, Eduardo A. García-Zepeda, and Gloria Soldevila. Tilmicosin modulates the innate immune response and preserves casein production in bovine mammary alveolar cells during <i>Staphylococcus aureus</i> infection. Journal Of Animal Science. 2019; 97: 2 DOI: 10.1093/jac/sky463
10.	Israel Pérez-Torres, Yolanda Gutiérrez-Alvarez, Verónica Guarner-Lans, Eulises Díaz-Día, Linaloe Manzano Pech and Sara del Carmen Caballero-Chacón . Intra-Abdominal Fat Adipocyte Hypertrophy through a Progressive Alteration of Lipolysis and Lipogenesis in Metabolic Syndrome Rats. Nutrients. 2019; 11: 1529. DOI: 10.3390/nu11071529

N°	Artículo
11.	Jacquelynne Cervantes-Torres, Isabel Gracia-Mora, Rene Segura-Velazquez, Regina Montero-Montoya, Javier Espinosa-Aguirre, Maria E. Gonsebatt, Rafael Camacho-Carranza, Marisol Rivera-Huerta, Francisco Sanchez-Bartez, Mabel Tinoco-Mendez, Patricia Ostrosky-Wegman, Gladis Fragoso. Preclinical evidences of safety of a new synthetic adjuvant to formulate with the influenza human vaccine: absence of subchronic toxicity and mutagenicity. Immunopharmacology and Immunotoxicology. 2019; 0:01-10. https://doi.org/10.1080/08923973.2019.1566359
12.	Jesús Mendoza, Lilia Gutierrez, José Á. Gutiérrez, Felipe A. Bustos, Hector Sumano. Pharmacokinetics of enrofloxacin HCl-2H ₂ O (ENRO-C), PK/PD, and Monte Carlo modeling vs. <i>Leptospira</i> spp. in cows. Journal of Veterinary Pharmacology and Therapeutics. 2019; 42: 3. DOI: 10.1111/jvp.12748. 2019
13.	José A Sánchez-Salcedo, Héctor Orozco-Gregorio, Miguel González-Lozano, Patricia Roldán-Santiago, Milagros González-Hernández, Gilberto Ballesteros-Rodea, Herlinda Bonilla-Jaime. Caffeine administered to pregnant sows improves piglet vitality, gas exchange and body weight gain. Animal Reproduction Science. 2019;208:0 https://doi.org/10.1016/j.anireprosci.2019.106120
14.	Jose Sanchez-Salcedo, Herlinda Bonilla-Jaime, Miguel Gonzalez-Lozano, Socorro Hernandez-Arteaga, Victoria Greenwell-Beare, Xochil Vega-Manriquez, Milagros Gonzalez-Hernandez, Hector Orozco-Gregorio. Therapeutics of neonatal asphyxia in production animals: a review. Veterinarni Medicina. 2019; 64:05. 191-203 https://doi.org/10.17221/86/2018-VETMED
15.	Linaloe Guadalupe Manzano Pech, Sara del Carmen Caballero-Chacón, Verónica Guarner-Lans, Eulises Díaz-Díaz, Adrián Moreno Gómez and Israel Pérez-Torres. Effect of oophorosalingo-hysterectomy on serum antioxidant enzymes in female dogs. Scientific Reports. 2019; 9674. doi.org/10.1038/s41598-019-46204-w
16.	María Del Pilar De La Rosa-Ruiz, Marco Antonio Álvarez-Pérez, Víctor Adrián Cortés-Morales, Alberto Monroy-Garcí, Héctor Mayani, Gladis Fragoso-González, Sara Caballero-Chacón, Daniel Diaz, Fernando Candanedo-González and Juan José Montesinos. Mesenchymal Stem/Stromal Cells Derived from Dental Tissues: A Comparative In Vitro Evaluation of Their Immunoregulatory Properties Against T cells. Cells. 2019; 8:1491 2–22 doi:10.3390/cells8121491
17.	Martínez-Ortiz-de-Montellano C, Torres-Acosta JFJ, Fourquaux I, Sandoval-Castro CA, Hoste H. 2019. Ultrastructural study of adult <i>Haemonchus contortus</i> exposed to polyphenol-rich materials under in vivo conditions in goats. Parasite. 2019 26;65 1-7 https://doi.org/10.1051/parasite/2019065
18.	Mikayla F.A. Baxter, Sami Dridi, Dawn A. Koltjes, Juan D. Latorre, Walter G. Bottje, Elizabeth S. Greene, Stephen W. Bickler, Jae H. Kim, Ruben Merino-Guzman, Xochitl Hernandez-Velasco, Nicholas B. Anthony, Billy M. Hargis, Guillermo Tellez-Isaias. Evaluation of Intestinal Permeability and Liver Bacterial Translocation in Two Modern Broilers and Their Jungle Fowl Ancestor. Frontiers In Genetics. 2019; 10: 480. DOI: 10.3389/fgene.2019.00480
19.	Ocampo, L, Banegas, M, Sumano, H, Alfonseca-Silva, E, Campillo-Navarro, M, Soria-Castro, R And Aquino, I. Evaluation of Mycobactericidal and Brucellicidal Efficacy of an Aldehyde and Quaternary Ammonium Solution and a Mixture of Phenolic Compounds. Israel Journal Of Veterinary Medicine. 2019; 74:4. 190-195 http://www.ijvm.org.il/sites/default/files/ocampo.pdf

N°	Artículo
20.	S.M.Arciniegas, M.J. Bernad, S. C. Caballero , D. Hernandez, B. Solis and D. Vargas. Process for Physicochemical Improvement of Ultra-Flexible Liposomes Loaded with Insulin. Indian Journal of Pharmaceutical Sciences. 2019; 81:1. 10.4172/pharmaceutical-sciences.1000485
21.	Sara Melisa Arciniegas Ruiz, María J. Bernad, S.C.C. Valderrabano, I.J. Rodríguez and Dinorah Vargas . Long-acting Oral Formulation of Doxycycline: <i>In Vitro-in vivo</i> Correlation Studies. Indian J Pharm Sci. 2019; 81: 4. 10.36468/pharmaceutical-sciences.551
22.	Sara Melisa Arciniegas Ruiz, María Josefa Bernad Bernad, Raquel Lopez Arellano, Roberto Diaz Torres, Sara Del Carmen Caballero Chacón and Dinorah Vargas Estrada . <i>In Vitro And In Vivo</i> Profiles And Characterization of Insulin Nanocarriers Based in Flexible Liposomes Designed for Oral Administration. Letters in Drug Design & Discovery. 2019; 16: 1. DOI: 10.2174/1570180816666190110112929

Línea 6. Etología Bienestar Animal y Conservación

N°	Artículo
1.	Adriana Rivera-Huerta, María de la Salud Rubio Lozano, Alejandro Padilla-Rivera and Leonor Patricia Guereca. Social Sustainability Assessment In Livestock Production: A Social Life Cycle Assessment Approach. Sustainability. 2019; 1-8 DOI:10.3390/su11164419
2.	AFreitas-De-Melo, A Orihuela, G Magric, D Cruz, IRubio, MCorro, MA Alonso, R Ungerfeld. Physiological reproductive status and progesterone concentration affect the results of tests to measure temperament traits in female beef cattle. Livestock Science. 2019; 221:0. 39-43 https://doi.org/10.1016/j.livsci.2019.01.010
3.	Améndola, L, F Solorio, J Ku-Vera, R, Améndola-Massioti, H, Zarza, KF Mancera, F Galindo. A pilot study on the foraging behaviour of heifers in intensive silvopastoral and monoculture systems in the tropics. Animal. 2019; 1-11 doi:10.1017/S1751731118001532
4.	Ariadna Yanez-Pizaña, Daniel Mota-Rojas, Manuel Castillo-Rivera, Ramiro Ramirez-Necoechea, Isabel Guerrero-Legarreta, Patricia Mora-Medina, Miguel Gonzalez-Lozano. Effect of environmental enrichment on weaned piglets: physiological responses. Veterinary Medicine. 2019;64:05.Si https://doi.org/10.17221/104/2018-VETMED
5.	Ariadna Yáñez-Pizaña, Daniel Mota-Rojas, Ramón Ramírez-Necoechea, Manuel Castillo-Rivera, Patricia Roldán-Santiago, Patricia Mora-Medina, Miguel González-Lozano. Application of infrared thermography to assess the effect of different types of environmental enrichment on the ocular, auricular pavilion and nose area temperatures of weaned piglets. Computers And Electronics In Agriculture. 2019;156: 33-42 https://doi.org/10.1016/j.compag.2018.11.010
6.	Evnika Zarina Medina-Romo, Fernando Díaz, Ana Denise Re-Araujo Leonardo Ibarra-Castro, Mario Garduño-Lugo, Erendira Rocío Latorre-Pozos Ernesto Larios-Soriano and Carlos Rosas. Thermal tolerance and aerobic scope of tetra-hybrid tilapia Pargo-UNAM. Lat. Am. J. Aquat. Res. 2019; 46:5. 935-944. DOI: 10.3856/vol46-issue5-fulltext-7
7.	Guillermo Orta-Pineda, Víctor Manuel Rodríguez-Valencia, Oscar Rico-Chávez, Diana Fabiola Zamora-Bárceñas, Ángel Rodríguez-Moreno, Griselda Montiel-Parra, Melisa Arenas-Montaño, Francisco Aurelio Galindo Maldonado, Gerardo Suzán-Azpiri y Rafael Ojeda-Flores. Composición de comunidades y filoespecificidad de ectoparásitos de murciélagos en paisajes agropecuarios de Veracruz, México. Ecosist. Recur. Agropec. 2019 7:(1): https://doi.org/10.19136/era.a7n1.2059
8.	Jesús Sotomayor-Bonilla, María José Tolsá-García, Gabriel E. García-Peña, Diego Santiago-Alarcon, Hugo Mendoza, Paulina Alvarez-Mendizabal, Oscar Rico-Chávez, Rosa Elena Sarmiento-Silva And Gerardo Suzán. Insights into the Host Specificity of Mosquito-Borne Flaviviruses Infecting Wild Mammals. EcoHealth. 2019; 0:01-8. https://doi.org/10.1007/s10393-019-01442-2
9.	Lucía Pérez Manrique, Robyn Hudson, Oxána Bánszegi, Péter Szenczi. Individual differences in behavior and heart rate variability across the preweaning period in the domestic horse in response to an ecologically relevant stressor. Physiology And Behavior. 2019; 0:210 https://doi.org/10.1016/j.physbeh.2019.11265

N°	Artículo
10.	Molina-Rivera M., Olea-Pérez R., Galindo-Maldonado F.A., Arriaga-Jordán C.M. Life cycle assessment of three tropical livestock systems in Campeche, Mexico: case of study. <i>Tropical & Subtropical Agroecosystems</i> . 2019; 0: 22.127-141. http://www.revista.ccba.uady.mx/ojs/index.php/TSA/article/view/2774
11.	Sarah J. J. Adcock, Savanah K. Vieira, Lorenzo Alvarez, Cassandra B. Tucker. Iron and laterality effects on healing of cautery disbudding wounds in dairy calves. <i>Journal of Dairy Science</i> . 2019; 102:11.10163-10172. https://doi.org/10.3168/jds.2018-16121
12.	Silva-Castillo Ro, Flores-Ceballos S, Ducoing-Watty Am, Maldonado-Resendiz Ri. Use of endodontic paper points and schirmer strips for measurement of tear flow in red- lored parrots (<i>Amazona autumnalis</i>). <i>Veterinaria Mexico OA</i> . 2019;6:1.1. http://dx.doi.org/10.22201/fmvz.24486760e.2019.1.624

Línea 7. Salud Pública y Epidemiología

N°	Artículo
1.	Arnal A, Waleckx E, Rico-Chávez O, Herrera C, Dumonteil E. Estimating the current burden of Chagas disease in Mexico: A systematic review and meta-analysis of epidemiological surveys from 2006 to 2017. PLoS Negl Trop Dis. 2019;13:4 https://doi.org/10.1371/journal.pntd.0006859
2.	Enrique Jesús Delgado-Suárez, Rocío Ortiz-López, Wondwossen A. Gebreyes, Marc W. Allard, Francisco Barona-Gómez, and María Salud Rubio-Lozano. Genomic surveillance links livestock production with the emergence and spread of multi-drug resistant non-typhoidal <i>Salmonella</i> in Mexico. Journal of Microbiology 2019; 57:4. 10.1007/s12275-019-8421-3
3.	Heidi Amezcua, María de la Salud Rubio, Eliseo Hernández-Baumgarten, Pablo Correa, Oscar Torres, Antonia Coba, Abel Ciprián, Susana Mendoza. Survival of classic swine fever virus in hams made from the meat of pigs vaccinated with the PAV-250 strain and unvaccinated pigs. Revista Mexicana de Ciencias Pecuarias. 2019; 10:3. DOI: https://doi.org/10.22319/rmcp.v10i3.4528
4.	M.S. Rubio Lozano, J.F. Hernández Chávez, F.A. Ruíz López, R. Medina Medina, E. Delgado Suárez, R.D. Méndez Medina, T.M. Ngapo. Horse meat sold as beef and consequent clenbuterol residues in the unregulated Mexican marketplace. Journal Food Control. 2019; doi.org/10.1016/j.foodcont.2019.107028
5.	Mateus Anzóla J, Wiratsadaku A, Rico-Chávez O, Ojeda Flores R. Simulation modeling of influenza transmission through backyard pig trade networks in a wildlife/livestock interface area. Tropical Animal Health and Production. 2019; 51:7 2019-2024 https://doi.org/10.1007/s11250-019-01892-4
6.	Nuria Morfin, Paul H. Goodwin, Adriana Correa-Benítez, Ernesto Guzmán-Novoa. Sublethal exposure to clothianidin during the larval stage causes long-term impairment of hygienic and foraging behaviours of honey bees. Apidologie. 2019; 50:5. https://doi.org/10.1007/s13592-019-00672-1

Línea 8. Genética

N°	Artículo
1.	Adriana Garcia-Ruiz, Felipe de Jesus Ruiz-López, Miguel Alonso-Díaz, Elke Von-Son-de-Fernex, Sara Olazarán-Jenkins, Vicente Eliezer Vega-Murillo, María Eugenia López-Arellano. Estudio de asociación genómica para resistencia a <i>Cooperia punctata</i> en bovinos cruzados en el trópico subhúmedo de México. Revista Mexicana de Ciencias Pecuarias. 2019; 10: 2 https://doi.org/10.22319/rmcp.v10i2.4759
2.	Erika P Gallaga-Maldonado, Hugo H Montaldo, Héctor Castillo-Juárez, Gabriel R Campos-Montes, Alfonso Martínez-Ortega, Juan C Quintana-Casares, Leobardo Montoya-Rodríguez, Miguel Betancourt-Lozano, Rodolfo Lozano-Olvera, Carlos Vázquez-Peláez. Crossbreeding effects for white spot disease resistance in challenge tests and field pond performance in pacific white shrimp <i>Litopenaeus vannamei</i> involving susceptible and resistance lines. Aquaculture. 2019; 516:0. 1-9 https://doi.org/10.1016/j.aquaculture.2019.734527
3.	Gomez-Salazar Edgar Omar, Lemus-Flores Clemente, Mejía Martínez Karina, Ruelas-Hernandez Pablo German, Sanchez-Chipres David Roman, Segura-Correa Jose Candelario And Alonso-Morales Rogelio Alejandro. Effect of prime-boost immunization against myostatin on antibody levels, backfat and growth in pigs. Journal of Animal and Veterinary Advances. 2019; 18:3. 65-70. http://medwelljournals.com/abstract/?doi=javaa.2019.65.70
4.	Hortencia Hernandez-Ruiz, Hugo H Montaldo, Jaime Bustos-Martinez, Gabriel R Campos-Montes, Hector Castillo-Juarez. Heritability and genetic correlations for infectious hypodermal and hematopoietic necrosis virus load, body weight at harvest, and survival rate in Pacific white shrimp (<i>Litopenaeus vannamei</i>). Journal of the World Aquaculture Society. 2019;2019:0 1-12 https://doi.org/10.1111/jwas.12664
5.	Liu Y, Munteanu CR, Kong Z, Ran T, Sahagún-Ruiz A, He Z, Zhou C, Tan Z. Identification of coenzyme-binding proteins with machine learning algorithms. Computational Biology And Chemistry. 2019; 79:185. doi.org/10.1016/j.compbiolchem.2019.01.014
6.	R. Calderón-Chagoya, J. H. Hernandez-Medrano, F.J. Ruiz-López, A. Garcia-Ruiz, V. E. Vega-Murillo, M. Montano-Bermudez, M.E. Arechavaleta-Velasco, E. Gonzalez-Padilla, E.I. Mejia-Melchor, N. Saunders, J.A. Bonilla-Cardenas, P.C. Garnsworthy and S.I. Román-Ponce. Genome-Wide Association Studies for Methane Production in Dairy Cattle. Genes 2019, 10, 995; DOI:10.3390/genes10120995
7.	Vianey Ramírez Andoney, Amanda Gayosso Vázquez, Juan Pablo Pintor Ríos, Jorge Enrique Vázquez Buchelli and Rogelio Alejandro A. Alonso Morales. Chimeric Myostatin-Tetanic Toxin Epitopes and Heterologous Prime-boost Immunization Improve Immune Response Stimulating Muscle Growth in Mice. Biotechnology And Bioprocess Engineering. 2019; 24 10.1007/s12257-019-0092-8

Línea 9. Sistemas de Producción, Atención al Cliente y Educación

N°	Artículo
1.	Albuja C, Ortiz O, López C, Hernández Cerón J. Economic Impact of pregnancy loss in an intensive dairy farming system. Veterinaria México OA. 2019; 6:1 DOI: http://dx.doi.org/10.22201/fmvz.24486760e.2019.1.572
2.	Alejandro Nava-García, Rubén Darío Martínez-Rojero, Ángel Agustín Mastache-Lagunas, Raúl Ulloa-Arvizu. Curva de rendimiento y composición de leche en ovejas criollas de la Montaña de Guerrero, México. Ecosist. Recur. Agropec. 6 (17): 391-398, 2019. DOI: 10.19136/era.a6n171983.
3.	Karina Antúnez, Fabrice Requier, Patricia Aldea Sánchez, Marina Basualdo, Belén Branchiccela, Rafael Calderón, Adriana Correa-Benítez, Andres Delgado-Cañedo, Sandra Fuselli, Carolina Morales, Eleazar Pérez, Santiago Plischuk, Martín Pablo Porrini, Lionel Segui Goncalves, José María Tapia, Alexandra Torres, Rodrigo Velarde and Ciro Invernizzi. Solatina: A Latin-American Society For Bee Research To Foster The Interactions Between Scientists And Coordinate Large- Scale Research Programs. Bee World. 2019; 95: 4. https://doi.org/10.1080/0005772X.2018.1508813
4.	González-Padilla E. Lassala A, Pedernera M, Gutiérrez CG. Cow-calf management practices in Mexico: Farm organization and infrastructure. Veterinaria México OA. 2019; 6 (3). 1-17 DOI: 10.22201/fmvz.24486760e.2019.3.677
5.	M Valadez-Noriega, MC Mendez-Gomez-Humarán, AA Rayas-Amor, CF Sosa- Ferreyra, F Galindo, GCMiranda-De La Lama. Effects of greenhouse roofs on thermal comfort, behaviour, health, and finishing performance of commercial Zebu steers in cold-arid environments. Journal of Veterinary Behavior. 2019; 1-22 https://doi.org/10.1016/j.jveb.2019.10.012
6.	María Camila Rendón Rendón, Juan Felipe Nuñez Espinoza, Ramón Soriano Robles, Valentin Espinosa Ortiz. Luis Manuel Chávez Pérez, Randy Alexis Jiménez Jiménez. The Social Fabric Of Cheese Agroindustry: Cooperation And Competition Aspects. Sustainability. 2019; 2-18 10.3390/su11102921
7.	Pozo-Leyva D., López-González F., Olea-Pérez R., Balderas-Hernández P., Arriaga Jordán C.M. Nitrogen utilisation efficiency in small-scale dairy systems in the higlands of Central Mexico. Tropical Animal Health and Production. 2019; 0:51.1215-1223. doi: 10.1007/s11250-019-01812-6
8.	Schott Ii Hc, Estrada-Coates A, Alva-Trujillo M, Pettersen A, Kinsley Ma, Esser Mm, Casillas J, García-Seco E, Madariaga-Najera M, Fernando-Martínez Ja, Herrera-León A, Hernández-Gil M. Equine welfare in practice: a collaborative outreach and education program with Michigan State University, Universidad Nacional Autónoma de México and Universidad Veracruzana. Animals. 2019; 9:4.1-13. 10.3390/ani9040164

LISTA DE TUTORES

- 1.- Marcados con amarillo – **MC**
- 2.- Marcados con verde – **MC YMMVZ**
- 3.- Marcados con rosa – **MMVZ**
- 4.- Marcados azul/agua – **Alumnos MC**
- 5.- Marcados con gris – **Alumnos MMVZ**