

Departamento de Medicina y Zootecnia de Cerdos

Líneas de investigación

Enfermedades bacterianas
Enfermedades virales
Sistemas de Producción
Manejo
Administración de empresas
Evaluación de sistemas porcinos
Bienestar animal
Reproducción de los Cerdos
Nutrición de los cerdos
Sostenibilidad en sistemas porcinos

El los 50 años del departamento de Medicina y Zootecnia de Cerdos que anteriormente se llamaba Producción Animal: Cerdos de la Facultad de Medicina Veterinaria y Zootecnia de la Universidad Nacional Autónoma.

En los 50 años los profesores y estudiantes que han participado, se han esforzado para publicar los estudios en las diferentes líneas antes mencionadas, acontinuación se enlistan los articulos publicados en revistas arbitradas o indizadas.

Artículos en revistas arbitradas o indizadas

1. Vázquez del MJ, Martínez GR. y Chorne UR. Comparación de algunas características de la canal de cerdos híbridos Vet. Mex. (19): 3-7 1988
2. Meade MG, Flores CJ, Trujillo OME. Productividad pre destete de lechones provenientes de cruzamientos entre cerdos híbridos de las razas Duroc, Hampshire, Yorkshire, Landrace. Vet Méx 1988, XIX (4): 301-306.ISBN 2448-6760
3. Vargas GJ, Trujillo OME, Doporto DJM. Evaluación productiva terminal en una granja porcina. Vet Méx 1991, XXII (4): 272-278. ISBN 2448-6760
4. García VP, Trujillo OME, Flores CJ. Comparación de la ganancia diaria de peso, conversión alimenticia y mortalidad en cerdos de 6 a 20 g de peso en dos tipos de alojamiento. Vet Méx 1991, XXII (4): 272-278. ISBN 2448-6760
5. Carreón, NR, Fuentes, RMC. Frecuencia de anticuerpos contra el Paramyxovirus del Ojo Azul en cerdos del Altiplano y Norte de México. Nota Informativa Vet. Mex. 1991. 2: 177- 179

6. Fuentes RM, Carreón NR, Ramírez MH, Trujillo OME, De Fraire BI. Estudio piloto de la frecuencia de anticuerpos contra el paramixovirus del ojo azul en cerdos de la República Mexicana. Vet Méx 1992, XXIII (1):37-39. ISBN 2448-6760
7. Fuentes, RM, Carreón, NR, Ramírez, MH, Trujillo OME, De Fraire BI. Estudio piloto de la frecuencia de anticuerpos contra el Paramixovirus de Ojo Azul en cerdos de la República Mexicana. Vet. Mex. 1992. 23: 37-39
8. Arellanes, AE, Fuentes RMC, Carreón NR, Ramírez MH. Inoculación experimental del Paramixovirus del ojo azul en el gato doméstico (*Felis catus*) Vet. Mex. 1994 25: 33
9. Zúñiga HJF, Trujillo OME, Doporto DJM. Efecto de dos quinolonas (nicotinato de norfloxacin y enrofloxacin) y del trimetoprim en combinación con sulfametoxazol en el tratamiento de enfermedades respiratorias (Actinobacillus pleuropneumoniae). Vet. Méx 1995, 26 (2): 95-101. ISBN 2448-6760
10. Cuetero RS, Ramírez MH, Carreón NR y Campuzano GJ. Inoculación experimental del paramixovirus de ojo azul en ratas de laboratorio (cepa wistar), via intramuscular Vet. Mex. 1995.26: 231-235
11. Gutierrez PJ, Jiménez GE, Ramírez HG, Galván PR, Mercadillo SA. Estudio comparativo de dos técnicas serológicas para la tipificación de Actinobacillus pleuropneumoniae. Vet. Mex. 1995. 26(1) 41-43
12. Rodríguez TJ, Ramírez MH, Carreón NR, Mercado GC. Muestreo serológico a nivel de rastro para detectar anticuerpos contra el virus de Influenza porcina Vet. Mex. 1996.27 (
13. Ramírez MH, Carreón NR, Mercado GC, Rodríguez TJ. Hemoaglutinación e inhibición de la hemoaglutinación del paramixovirus porcino a través de la modificación de algunas variables que participan en la prueba. Rev. Vet. 1996. 27 257-259
14. Vargas AM, Doporto DJM, Trujillo OME, Ramírez MH, Carreón NR. Control y erradicación de la enfermedad de Aujeszky en un sistema de tres sitios de producción. Vet Méx 1997 28(2): 147-155. ISBN 2448-6760
15. Trujillo OME, Doporto DJM. Sincronización del estro en cerdas nulíparas y primíparas. Vet Méx 28 (4): 325-332 (1997). ISBN 2448-6760
16. Ramírez MH, Trigo TF, Correa GP, Castillo JH, Mercado GC. "Determinación de anticuerpos y antígeno contra parvovirus porcino en fetos colectados en rastro". Vet. Méx., 29(4)1998:337-343.

17. Martínez GR. Principales factores que afectan la reproducción del cerdo. *Ciencia Veterinaria* 1998; 8: 188-223
18. Ramírez MH, Martínez GR, Vizuet AO, Monroy BJ. Inoculación del virus de la Enfermedad del Ojo Azul en verracos de la raza Pelón Mexicano. *Veterinaria-México* 1999; 30: 1-6
19. Tesoro CE, Hernández GR, Villanueva SO, Ruiz VD, Trujillo OME. Efecto de las ondas ultrasónicas de 25 a 50 Mhz sobre el rendimiento reproductivo y el peso corporal de ratas Wistar. *Vet Méx* 2000, 31 (3): 185-187. ISBN 2448-6760
20. Caballero OH, Trujillo OME, Doporto DJM, Troncoso H, Vences A, López-Velazquez G y Granados L. Effect of Isoproterenol Administered During the Last Third of Gestation on the Productive Parameters of Primiparous Sows. *West Pharmacol* 2000, 43: 43-46.
21. Martínez GR, Pradal RP, Castrejón M, Herradora LM, Galván PR, Mercado GC. "Persistence of *Escherichia coli*, *Salmonella choleraesuis*, Aujeszky's Disease virus and Blue eye Disease virus in ensilages based on the solid fraction of pig faeces". *J of App. Microbiol.* 2001;91:750-758.
22. Hernández LJ, Garfias Y, Nieto A, Mercado GC, Montaña L, Zenteno E. "Comparative evaluation of the CD4+CD8+ and CD4+CD8- lymphocytes in the immune response to porcine rubulavirus". *Vet. Immunol. and Immunopat.* 2001;6422:1-11.
23. Mota RD, Spilsbury M, López A, Trujillo OME, Valencia MJ, Ramírez NR. "Lactational estrus induction in the Mexican Hairless sow". *Animal Reproduction Sci* 2002 72:115-124.
24. Mota RD, Martínez BJ, Trujillo OME, Spilsbury M, Ramírez NR, López MA. Effect of oxytocin treatment in sows on umbilical cord morphology, meconium staining, and neonatal mortality of piglets. *Am J Vet Res* 2002; 63 (11):1571-1574.
25. Mota RD, Spilsbury M, Trujillo OME, López MA, Ramírez NR, Escobar II, Valencia MJ. Financial and reproductive performance of lactating-pregnant Creole sows. *Livestock Research for Rural Development* 2002, 15 (2).
26. Tesoro CE, Hernández GR, Martínez RA, Ramírez AH, Trujillo OME, Kretschmer SR, Aguilar SA. Detección de anticuerpos contra artritis encefalitis caprina (AEC) mediante inmunofluorescencia (Western Blot, WB) *Rev Vet Méx* 2003, 34(2): 119-128.
27. Mota RD, Alonso SM, Trujillo OME, Ramírez NR, Cisneros PMA. Incidencia, caracterización y control de descargas vaginales pos-parto en cerdas lactantes en el desempeño reproductivo. *Sanidad Animal* 2003, 25 (1): 50-55.

28. Ramírez G, Carreón HG, N. R y Galván PRE. Utilización de Diversas Pruebas de Diagnóstico para la Resolución de Problemas Porcicultores, 7(39) mayo-junio, 28-32. 2004.
29. Herradora LMA, Martínez GR. Effect of Oral Enroloxacin and Florfenicol on Pigs Experimentally Infected with *Actinobacillus pleuropneumoniae* Serotyp 1. J. Vet. Med. A 50, 259-263 (2003).
30. Alonso SM, Mayagoitia L, Trujillo OME, Ramírez N, Mota RD. Lactational estrus in sows, a way to increase the number of farrowing per sow per year. Journal of Animal and Veterinary Advances JAVA 2004, 3 (5): 294-305.
31. Mota RD, Alonso-Spilsbury M, Trujillo OME, Ramírez-Necochea R, Cisneros PM, Albores TV, Cuevas RH, Escoba II. Efecto de la pérdida de grasa dorsal y peso corporal sobre el rendimiento reproductivo de cerdas primíparas lactantes alimentadas con tres diferentes tipos de dietas. Rev. Científica FCV-LUZ 2004 XIV(1): 13-19. ISSN 7982259
32. Alonso-Spilsbury M, Mota-Rojas D, Martínez-Burnés J, Arch E, Mayagoitia AL, Ramírez-Necochea R, Olmos A, Trujillo OME. Use of oxytocin in penned sows and its effect on fetal intra-partum asphyxia. Anim Reprod Science 2004, 84: 157-167. ISSN 0378-4320 ISSN 1873-2232 Pub Ned 15302395
33. Mota RD, Alonso SM, Mayagoitia L, Trujillo OME, Valencia J, Ramírez R, Cortés S, Escobar MI. Changes of vaginal epithelium in crossbred pigs ovulating during lactation. J of Ani and Vet Ad (JAVA) 2004, 3 (12): 828-832.
34. Caballero HA, Castrejón PF, Martínez GR, Ángeles CS, Pérez RM y Buntix DS. Survival and viability of *Ascaris suum* and *Oesophagostomum dentatum* in ensiled swine feces. Bioresource Technology 94 (2004) 137-142.
35. Hernández JP, Ramírez MH, Mercado GC, Moreno LJ, Kennedy S. "Experimental porcine rubulavirus (La Piedad- Michoacán virus) infection in pregnant gilts". J Comp Pathol. 2004 Jan;130 (1):1-6.
36. Ramírez G, Martínez GR, Herradora M. Castrejón F, Galván E. Isolation of Salmonella spp. From liquid and solid excreta prior to and following ensilage in ten swine farms located in central Mexico. Bioresource Technology 96 (2005) 587-595.
37. Mota RD, Martínez BJ, Trujillo ME, López A, Rosales AM, Ramírez R, Orozco H, Merino A Alonso SM. Uterine and fetal asphyxia monitoring in parturient sows treated with oxytocin. Anim Reprod Science 2005, 86: 131-141. ISSN 0378-4320 ISSN 1873-2232
38. Mota RD, Nava OA, Trujillo OME, Velazquez AY, Ramírez NR, Martínez BJ, Alonso SML. Dose minimization study of oxytocin in early labor measurements and fetal outcome. Reprod. Toxicol 2005, 20: 255-259. ISSN 0890-6238

39. Alonso SM, Mota RD, Villanueva GD, Martínez BJ, Orozco H, Ramírez NR, López MA, Trujillo OME. Perinatal Asphyxia pathophysiology in pig and human: A review. *Ani, Reproduction Sc.* 2005 90: 1-30. ISSN 0378-4320 ISSE 1873-2232
40. Mota RD, Rosales AM, Trujillo OME, Orozco H, Ramírez RN, Alonso SM. The effects of vetrabutin chlorhydrate and oxytocin effects on stillbirth rate and asphyxia in swine. *Theriogenology* 2005, 64 (9): 1889-1897. ISSN 0093-691X eISSN 1879-3231
41. Rodarte CLF, Trujillo OME, Doporto DJM, Galindo MFA. Efecto de la manipulación ambiental sobre el comportamiento social, reactividad al humano y producción de lechones destetados a 14 días de edad. *Vet Mex*, 2005, (36) 4: 375-380. ISBN 2448-6760
42. Quezada MJF, Mercado GC, Ramírez HG, Martínez GR, Macías GM. "Identificación del antígeno del virus de la Fiebre porcina clásica en excretas porcinas sólidas y líquidas en una granja del Estado de Guanajuato, México". *Téc Pecu Mex.* 2006; 44(1):1-13.
43. Martínez GR, Salmerón SF, López AM. Heredabilidad estimada y comparación de genotipos Puros en porcinos de las razas duroc, landrace y yorkshire y en cruces recíprocos de las razas Landrace y yorkshire, para grasa dorsal y peso a 154 días. *Revista Científica, FCV-LUZ / Vol. XVI, N° 2, 142 - 148*, 2006
44. Mota RD, Trujillo OME, Martínez BJ, RosalesTAM, Orozco H, Ramírez NR, Sumano H, Alonso SM. Comparative routes of oxytocin administration in created farrowing sows and its effects on fetal and postnatal asphyxia. *Animal Reproduction Science.* 2006, 92: 123-143. ISSN 0373-2232 EISSN 1873-2232
45. Sánchez AP, González LM, Mota RD, Alonso SM, Trujillo OME, Ramírez NR, Perez GRE. Caracterización of Boar rental schemes for reproduction purposes in a swine center in the "Chinampa" region of Xochimilco, Mexico city. *J Anim, Vet Adv.* 2006, 5 (1): 63-69.
46. Mota RD, Martínez BJ, Alonso SM, López A, Ramírez NR, Trujillo OME, Medina HFJ, De la Cruz NI, Albores TV, Loredó OJ. Meconium staining of the skin and meconium aspiration in porcine intrapartum stillbirths. *Livestock Science* 2006, 102: 155-162. ISSN 1871-1413
47. Mota RD, Trujillo OME, Villanueva GD, Orozco GH, González LM, Ramírez NR y Alonso SM. Can uterotonics reduce fetal and newborn piglet mortality by perinatal asphyxia and improve functional vitality. *J. Med. Sci.* 2006, 6(6): 884-893. ISSN 1682-4474 EISSN 1812-5727

48. Trujillo OME, Mota RD, Hernández GR, Velázquez AEY, Nava OAA, Ramírez NR, Becerril HM, Alonso SP. Obstetric and neonatal outcomes to recombinant porcine somatotropin administered in the last third of pregnancy to primiparous sows. *Journal of Endocrinology* 2006, 189 (3): 575-582. ISSN 0022-0795 E1479-6805
49. Villanueva GD, Olmos HA, González LM, Alonso SM, Trujillo OME, Ramírez NR, Mota RD. Biochemical effects of recombinant porcine somatotropin on pig fetal growth and metabolism: A review. *American Journal of Biochemistry and Biotechnology*. 2006, 2(4): 129-137.
50. Oropeza R, Galván PRE, Tato I, Cortés JA, Ramírez GA. Contra *Streptococcus suis* en cerdos. *Bayvet*, (35-36) Septiembre-Noviembre 2006.
51. Ramírez MH, Martínez C, Mercado GC, Castillo JH, Hernández LJ, Segalés J. "Porcine Circovirus type 2 antibody detection in blackyard pig from México city" *Research in Veterinary Science*. 2007, 83: 130-132.
52. Solís M, Ramírez MH, Mercado GC, Espinoza S, Vallejo V, Reyes LJ, Hernández J. "Semen Alteration in porcine rubulavirus-infected boars are related to viral excretion and have implication for artificial insemination". *Research in Veterinary Science*. 2007, 83: 403-409.
53. Murillo GC, Herradora LMA, Martínez Gamba R. (2007) Relación entre la pérdida de grasa dorsal de cerdas lactantes con el consumo de alimento, tamaño de camada, peso de los lechones al destete y días de lactancia. *Revista Científica, FCV-LUZ* 18(4) 380-385.
54. Bravo AA, Mejía RA, Ramírez HG, Herradora LMA, Hasch P JL, Martínez GR. Evaluación del efecto del agua residual tratada por separación-sedimentación-filtración sobre la salud de cerdos destetados en una granja porcina del Valle de México. *Téc Pecu. Méx* 2008 ;46(3): 287-302.
55. Mota RD, Villanueva GD, Velázquez AY, Nava OA, Ramírez NR, Alonso SM, Trujillo OME. Influence of time at which oxytocin is administered during labor on uterine activity and perinatal death in pigs. *Biological Research*. 2007, 40 (1): 55-63. ISSN 7169760
56. Mota RD, Villanueva GD, Alonso SM, Becerril HM, Ramírez NR, González LM, Trujillo OME. Effect of different doses of oxytocin at delivery on suffering and survival of new born pigs. *J. Med. Sci.* 2007, 7(2): 170-178. ISSN 1682-4474 EISSN 1812-5727
57. Trujillo OME, Mota RD, Olmos HA, Alonso SM, González M, Orozco H, Ramírez NR. A study of piglets born by spontaneous parturition under uncontrolled conditions: could this be a naturalistic model for the study of intrapartum asphyxia?. *Acta Biomed de Ateneo Parmense*. 2007, 78 (1): 29-35. ISSN 0392-4203

58. Villanueva GD, Mota RD, Hernández GR, Sánchez AP, Alonso SM, Trujillo OME, Ramírez NR, and Nava OA. A systematic review of experimental and clinical studies of sildenafil citrate for intrauterine growth restriction and pre-term labour. *Journal of Obstetrics and Gynaecology*. 2007 27(3): 255-259. ISSN 0144-3615 EISSN 1364-6893
59. Alonso SM, Ramírez NR, González LM, Mota RD, Trujillo OME. Piglet survival in Early Lactation: A Review. *Journal of Animal and Veterinary Advances*. 2007 6(1): 76-86.
60. Sánchez AP, Mota RD, Ramírez NR, Olmos HA, Alonso SM, Villanueva GD, Trujillo OME, Hernández GR. Systemic effects of sildenafil citrate on pregnancy and perinatal periods. *Journal of Animal and Veterinary Advances*. 2007 6(2): 267-271.
61. Orozco GH, Mota RD, Alonso SM, González LM, Trujillo OME, Olmos HSA, Sánchez AP, Ramírez NR, Hernández GR, Uribe ER, Villanueva GD. Importance of blood gas measurements in perinatal asphyxia and alternatives to restore the acid base balance status to improve the newborn performance. *American Journal of Biotechnology and Biochemistry*. 2007 3(3): 131-140. ISSN 1553-3468
62. Arancibia SK, Juárez MML, Montaldo HH, Gutiérrez CG, Trujillo OME, Hernández GEO, Muñoz GR. Morphological perinuclear theca alterations are related to acrosome loss in cryopreserved boar spermatozoa. *Veterinary Research. Medwell Journals*. 2007 1(2):49-56.
63. Espinosa, HS, Martínez, G.R., Martínez, C.L.V. 2018. Methodology for the evaluation of reproductive management in pig farms. *J. Agri. Sci. Techn.* A8. 388-397
64. Sánchez BJI, Santos LG, Alonso R, Doporto JM, Ramírez MH, Mendoza S, Hernández J, Reyes LJ, Trujillo OME. Molecular characterization of the hemagglutinin-neuraminidase gene of porcine rubulavirus isolates associated with neurological disorders in fattening and adult pigs. *Research in Veterinary Science*. 2008. 85: 359-367. ISSN 0034-5288 EISSN 1532-2661 PubMed 18031776
65. González LM, Mota RD, Nava OAA, Alonso SM, Ramírez NR, Velázquez AEY, Trujillo OME. Perinatal outcomes to uterine stimulation with breast massage alone or in combination with oxytocin in dystocic sows. *Journal Theoretical & Experimental Pharmacology*. 2008 1(1): 21-26.
66. Olmos HA, Trujillo OME, Alonso SM, Sánchez AP, Ramírez NR, Mota RD. Foetal monitoring, uterine dynamics and reproductive performance in spontaneous farrowings in sows. *J. Appl. Anim. Res.* 2008 33 (1): 181-185. ISSN 9712119
67. Orozco GH, Mota RD, Alonso SM, Olmos HA, Ramírez NR, Velázquez AEY, Nava OAA, Hernández GR, Trujillo OME, Villanueva GD. Short-term neurophysiologic consequences of intrapartum asphyxia in piglets born by

spontaneous parturition. International Journal of Neuroscience. 2008 118 (1):9, 1299-1315. ISSN 207454

68. Sánchez AP, Mota RD, Nava OAA, Trujillo OME, Alfaro RA, Arch E, Alonso SM. Effects of sildenafil on the fetal growth of guinea pigs and their ability to survive induced intrapartum asphyxia. American Journal of Obstetrics Gynecology. 2008. 127.e1- 127.e6.ISSN 29378

69. Barrientos MM, Arancibia SK, Trujillo OME, Muñoz GRJ, Montiel PF, Juárez MML. Is there a relationship between the PT-substructure Status and Acrosome loss of boar spermatozoa following freezing-thawing or acrosomal reaction? Medwell Publishing. Journal Of Animal and Veterinary Advances. 2009. 8 (1): 155-164. ISSN 1680-5593 EISSN 193-601X

70. Mota RD, Becerril HM, Trujillo OME, Alonso SM, Flores PSC, Guerrero LI. Effects of pre-slaughter transport, lairage and sex on pig chemical serologic profiles. Medwell Publishing. Journal Of Animal and Veterinary Advances. 2009. 8 (2): 246-250. ISSN 16805593

71. Gutiérrez PO, Juárez MML, Uribe CS, Trujillo OME. Boar spermatozoa cryopreservation in low glycerol/trehalose enriched freezing media improves cellular integrity. Cryobiology. 2009 58 (3):287-292.ISSN 0011-2240 EISSN 1090-2392 Pub Med 19233153

72. Sánchez AP, Mota Rd, Trujillo OME, Zarco QLA, Becerril HM, Alonso SM, Alfaro RA. Effect of prostaglandins for inducing birth on weight, vitality and physiological response in newborn pigs. J.Appl. Anim. Res. 2009. 36 (1) 113-118.ISSN 9712119

73. González LM, Ortega OME, Becerril HM, Alonso SM, Ramírez NR, Herrera GR, Mota RD. Efecto de la aplicación de oxitocina en variables críticas sanguíneas de cerdas distócicas. Vet. Méx., 40(3) 2009. 231-245.ISSN 2448-6770

74. Sánchez AP, Mota RD, Verduzco MA, Arch TE, Hernández GR, Alonso SM, González LM, Alfaro RA, Uribe ER, Becerril HM, Trujillo OME. Reference values for blood gas analysis, electrolytes and critical biochemical variables for short-hair english and Duncan-hartley guinea pigs anaesthetized with Xylazine-ketamine. Journal of Animal and Veterinary Advances 2009. 8(10).1893-1899. ISSN: 1680-5593

75. González LM, Mota RD, Velázquez AEY, Nava OAA, Hernández GR, Becerril HM, Trujillo OME, Alonso SM. Obstetric and fetal outcomes in dystocic and eutocic sows to an injection of exogenous oxytocin during farrowing. Can Vet J. Vol. 50. 2009. 1273-1277.ISSN 0008-5286 Pub Med 20190977

76. Barrientos MM, Juárez MML, Trujillo OME, Montiel Palacios F. Alteraciones en la integridad del acrosoma y de la teca perinuclear en semen criopreservado del verraco. *Zootecnia Trop.* 27(1) 2009: 17-24 ISSN 0798-7269
77. González LM, Trujillo OME, Becerril HM, Alonso SM, Rosales T AM, Mota RD. Uterine activity and fetal electronic motoring in parturient sows treated with vetrabutim chorhydrate. *J. Vet. Phrmacol. Therap.* 33 (1) 2010: 28-34 doi: 10.1111/j.1365-885.2009.01094.x. ISSN0140-7783 EISSN 1365-2885 PuB Med 20444022
78. Becerril HM, Alonso SM, Trujillo OME, Guerrero L, I, Ramírez NR, Roldán SP, Pérez SM, Soní GE, Mota RD. Changes in blood constituents of swine transported for 8 or 16 h to an Abattoir. *Meat Sciene* 86 (4).2010. 945-948 ISSN 0309-1740 Pub Med 20732749
79. Olmos HA, Trujillo OME, Alonso SM, Becerril HM, Hernández GR, Mota RD. Aplicación de la somatotropina recombinante porcina en lechones durante la primera semana de vida: efecto sobre variables metabólicas y somatométricas. *Archivos de Medicina Veterinaria, Universidad Austral de Chile.* Vol. 42. (2) 2010. 93-99.ISSN 03-732X EISSN0717-6201
80. Orozco GH, Mota RD, Bonilla JH, Trujillo OME, Becerril HM, Hernández GR, Villanueva GD. Effects of administration of caffeine on metabolic variables in neonatal pigs with peripartum asphyxia. *American Journal of Veterinary Research* AJVR 71(10). 2010 ISSN 0002-9645 EISSN 1943-5681 Pub Med 20919910
81. Cordero A. García M. Herradora M, Ramírez G. Martínez R. Bacteriological characterization of wastewater samples obtained from a primary treatment system on a small scale swine farm. *Bioresource Technology* 2010 101: 2938-2944.
82. Cordero A, Martinez R, Herradora M, Ramírez G. Evaluation of two waste wáter treatment system design for small pork farms and its efficiency to decrease coliforms and Salmonella spp. *Livestock Resarch for Rural Development* 22 (6) 2010. Article 114. From <http://www.lrrd.org/lrrd/6cord22114.htm>.
83. Gutiérrez PO, Juárez MML, Mota D, Trujillo OME. The disruption in actin-perinuclear theca interactions are related with changes induced by cryopreservation observed on sperm chromatin nuclear de condensation of boar semen. *Cryobiology* 62.2011.32-39 ISSN 0011-2240
84. Sánchez MDM, Carreón, NR, Palacios AJM. Comparación de dos métodos diagnósticos para la detección del virus de influenza porcina. *Rev. Vet.* 41:1 45-58 (2010).
85. Gazarian K, Gazarian T, Sanchez BJI, Rogelio A, Morales A. (2011). Immunogenic peptides from phage display libraries with potential of protecting mice against the Pseudorabies virus. *Veterinary Microbiology.*154, 29-36.

86. García GS, Herradora LMA, Martínez GR. (2011) Efecto del número de parto de la cerda, la caseta de parición, el tamaño de la camada y el peso al nacer en las principales causas de mortalidad en lechones. *Rev. Mex. Cienc. Pecu.* 2 84): 403-414.
87. Mota RD, Orozco GH, González LM, Roldan SP, Martínez RR, Sánchez HM, Trujillo OME. Therapeutic approaches in animals to reduce the impact of stress during transport to the slaughterhouse: A review. *International Journal of Pharmacology* 72 (5): 568-578, 2011. ISSN 1811-7775 EISSN 1812-5700
88. Orozco GH, Mota RD, Villanueva GD, Bonilla JH, Suárez BX, Torres GL, Bolaños DJ, Hernández GR, Martínez RR, Trujillo OME. Caffeine therapy for apnea of prematurity: Pharmacological Treatment. *African Journal of Pharmacy and Pharmacology.* 5 (4): 564-571, 2011. ISSN 1996-0816
89. Martínez RR, Roldán SP, Flores PS, Ramírez TJA, Mora MP, Trujillo OME, González LM, Becerril HM, Sánchez HM, Mota RD. Deterioration of pork quality due the effects of acute *ante mortem*: an Overview. *Asian Journal of Animal and Veterinary Advances* 6 (12): 1170-1184, 2011 ISSN 1683-9919
90. Mota RD, Orozco GH, Villanueva GD, Bonilla JH, Suarez BX, Hernández GR, Roldán SP, Trujillo OME. Foetal and neonatal energy metabolism in pigs and humans: a review. *Veterinari Medicina* 56 (5): 215-225, 2011 ISSN 0375-8427 EISSN 1805-9392
91. Linares IJA, Sciutto CE, Trujillo OME, Pérez RJJ, Martínez M JJ. Estructura etaria, comportamiento productivo y reproductivo de una población de cerdos criados en semiconfinamiento, en una comunidad rural del estado de Morelos, México *Vet. Méx.* 42 (4):259-267, 2011. ISSN 2448-6770
92. Martínez RR, Mota RD, Trujillo OME, Orozco GH, Hernández GR, Roldán SP, Mora MP, Alonso SM, Rosales TA, Ramírez NR. Physiological response to hipoxia in piglets of different birth weight. *Italian Journal of Animal Science* 10: 250-253, 2011.
93. Trujillo OME, Mota RD, Juarez O, Villanueva GD, Roldán SP, Becerril HM, Hernández GR, Mora M P, Alonso SM, Rosales AM, Martínez RR, Ramírez NR. Porcine neonates failing vitality score: physio-metabolic profile and latncy to the first teat contact. *Czech J. Anim Sci* 56 (11): 499-508, 2011. ISSN 1212-1819
94. Escobar LAC, Benitez RJF, Castillo JH, Ramírez MH, Trujillo OME, Sánchez BJI. Identification of antigenic variants of the porcine ribulavirus in será of field swine and their seroprevalence. *Transboundary and Emergening Diseases.* 2011.
95. Morilla, GA., Salazar, GG; Amaro, GR; Reyes ML; Serrano E; Carreón, NR.; Valero G y López MJ.: Utilización de las conferencias virtuales para la capacitación

a distancia en el ámbito agropecuario. *Investigación Agropecuaria*. 8:1 103-110 (2011).

96. García GS, Herradora LMA, Martínez GR Efecto del número de parto de la cerda, la caseta de parición, el tamaño de la camada y el peso al nacer en las principales causas de mortalidad en lechones. *Rev. Mex. Cienc. Pecu.* 2011; 2 (84): 403-414.

97. Jiménez NLJ, Martínez GR {2011) Diseño, construcción y evaluación de una caseta tipo túnel para cerdos en una granja a pequeña escala en la región central de México. *Livestock Research far Rural Development* 2011; 23 (11). Article 235

98. Escalera-Zamudio M, Cobián-Guemes G, Soto-del RíoMD, Pavel Isa, Sánchez-Betancourt I, Parissi-Crivelli A, Martínez-Cázares MT, Romero P, Velázquez-Salinas L, Huerta-Lozano B, Nelson M, Montero H, Vinuesa P, López S, Arias CF. (2012) Characterization of an influenza A virus in Mexican swine that is related to the A/H1N1/2009 pandemic clade. *Virology*. 433 176–182.

99. Mota RD, Trujillo OME, Becerril HM, Roldan SP, González LM, Guerrero LI. Efecto del método de sacrificio sobre variables críticas sanguíneas y consecuencias sobre la bioquímica de la carne de cobayo (*Cavia porcellus*). *Revista Científica, FCV-LUZ/Vol XXII, No 1*, 51-58, 2012.

100. Mota RD, Villanueva-García D, Hernández González R, Roldán-Santiago P, Martínez-Rodríguez R, Mora-Medina P, González Meneses B, Sánchez-Hernández M, Trujillo-Ortega ME. Assessment of vitality of newborn: An verview- *Scientific Research and Essays* 7 (7): 712-718, 2012.

101. Monroy- Salazar FG, Perez-Sotelo L, Gonzalez-HernándezY, Pradal Roa P, Vazquez-Chagoyan JC. Effects of a live yeast dietary suplement on fecal coliform counts and on peripheral blood CD4 and CDS8 lymphocyte subpopulations in nursery pigs. *Journal of swine Health and Production* 20 (6), 276-282 2012

102. González-Lozano M, Trujillo-Ortega ME, Alonso-Spilsbury M, Rosales AM, Ramírez-Necoechea, R, González-Maciel A, Martínez-Rodríguez R, Becerril-Herrera M, Mota-Rojas D. Vetrabutine clorhydrate use in dystocic farrowings minimizes hemodynamic sequels in piglets. *ELSEVIER Theriogenology*. 2012 Jul 15;78(2):455-61.

103. Arenas Núñez MA, Juárez-Mosqueda MD, Gutiérrez-Pérez O, Anzaldúa Arce SR, Izquierdo AC, Rodríguez RM, Trujillo Ortega ME. Glycerol decreases the integrity of the perinuclear theca in boar sperm. *Cambridge University Press* 2012 pag. 1 of 6. doi: 10.1017/S0967199411000785

104. Mota RD, Martínez BJ, Villanueva GD, Roldán SP, Trujillo OME, Orozco GH, Bonilla JH, López MA. Animal welfare in the newborn piglet: a review. *Veterinari Medicina*, 57, 2012 (7): 338-349

105. Orozco GH, Bonilla JH, Mota RD, Trujillo OME, Roldán SP, Martínez RR, Bórdelas TF, Flores PS, Mora MP, Ramírez NR. Effects of subcutaneous administration of caffeine on the physiometabolic profile of low-birthweight neonate piglets. Journal compilation CSIRO 2012. Animal Production Science <http://dx.doi.org/10.1071/AN11199>
106. Mota RD, Becerril HM, Roldán SP, Alonso SM, Flores PS, Ramírez NR, Ramírez TAJ, Mora MP, Pérez M, Molina E, Soní E, Trujillo OME. Effects of long distance transportation and CO2 stunning on critical Blood Values in pigs. Elsevier Meat Science 90 (2012) 893-898.
107. Sánchez BJI, Trujillo OME, Mendoza SE, Reyes LJ, Alonso RA. Genetic and antigenic changes in porcine rubulavirus. The Canadian Journal of Veterinary Research 2012; 76 (1): 33-37. ISSN8309000
108. Toledo RA, Gómez D, Cruz C, Carreón R, López J, Giono S. and Castro AM. Prevalence of virulence genes in Escherichia coli strains isolated from piglets in the suckling and weaning period in Mexico. Journal of Medical Microbiology 148-156 61 (2012).
109. Saavedra MM, Carrera AV, Castillo JH, Rivera BF, Rosas EK, Pulido CE, Mercado GC, Carreón NR, Haro TM, Rosete D, Cabello C, Manjarrez ME; Sánchez BJI, Ramírez MH. Retrospective serological survey of influenza viruses in backyard pigs from Mexico City. DOI:10.111/irv.12063 Blackwell Publishing Ltd 2012
110. Roldán SP, Martínez RR, Yañez PA, Trujillo OME, Sánchez HM, Pérez PE, Mota RD. Stressor factors in the transport of weaned piglets: a review. Veterinarni Medicina, 58, 2013 (5): 241-251.
111. Saavedra MM, Carrera AV, Castillo JH, Rivera BF, Rosas EK, Pulido CE, Mercado GC, Carreón NR, Haro TM, Rosete PD, Cabello C, Manjarrez EM, Sanchez BJI, Ramírez MH. (2013). Retrospective serological survey of influenza viruses in backyard pigs from Mexico City. Influenza and Other Respiratory Viruses. 7(5), 827–832.
112. Rivera BFJ, García CAC, Reyes LJ, Hernández J, Sanchez BJI, Ramírez MH (2013). Efficacy of quantitative RT-PCR for detection of the nucleoprotein gene from different porcine rubulavirus strains. Aceptado en la revista Arch Virol el 09 de Febrero del 2013. Sep;158(9):1849-56.
113. Segura VJ, Cervantes EAI, Sanchez BJI, Villalobos NLF, Rodarte QM, Restelli G, Fragoso ES (2013). Influenza vaccine: Development of a novel intranasal and subcutaneous recombinant adjuvant. J VAC 31:4009 - 4016.

114. Nava RGM, Merino RJN, Ledesma I, Sanchez BJI, Martinez LEE, Escorcía M.(2013). A rapid test for avian influenza detects swine influenza virus. Vet Rec. Nov 2;173(17):424.
115. Roldán SP, Mota RD, Guerrero LI, Mora MP, Borderas TF, Alarcón RAD, Flores PS, Orozco GH, Martínez RR, Trujillo OME. Animal welfare of barrows with different antemortem lairage times without food. Veterinarni Medicina, 58, 2013 (6): 305-311.
116. Carrera AVM, Mercado GC, Trujillo OME, Mendoza ESE, Isa HP, Paulin PLF, Arias OCF, Sánchez BJI. "Cambios genéticos en los genes internos del virus de influenza porcina aislado en México". Vet. Méx., Vol. 1 No. 1 Julio-Septiembre 2014. 1-22.
117. Losada EN, Mercadillo SA, Martínez GRG (2014) Costo de producción e impacto de diversos insumos sobre la rentabilidad en granjas porcinas a pequeña escala en la zona metropolitana de la Ciudad de México. Livestock Research for Rural Development 26 (11) 2014.
118. Paulin FL, Soto RMD, Sánchez I, Hernández J, Gutiérrez RRM, López MI, Wonga CRM, Parissi CA, Isa P, López S, Arias FC. (2014) PhyloFlu, a DNA microarray to determine the phylogenetic origin of influenza A gene 3 segments and the genomic fingerprint of viral strains. J. Clin. Microbiol. 52(3):803. DOI: 10.1128/JCM.03134-13.
119. Carrera AVM, Mercado GMC, Trujillo OME, Mendoza ES, Isa P, Paulin LF, Arias CF, Sanchez-Betancourt JI. (2014) Genetic changes detected in the internal genes of porcine influenza viruses isolated in Mexico. Veterinaria México Open Access. Vol. 1. No.1 2º trimestres.
120. Hernández PP, Pérez TSM, Limón FAY, Vázquez LS, Estrada PS, Sánchez BJI, Navarro HJA, Cobos ML. Dialyzable leukocyte extract as inductor of interferon gamma concentration in serum of weaned pigs. Arch. Med. Vet. vol.46 no.3 Valdivia, 2014.
121. García LJ, Garcia-Diego CD, Melgarejo Y, Sánchez SR, Solís AL, García CZ, Sánchez BJI, Ibarra C, Luna BG, Velasquillo C. (2014) Chondrocyte Differentiation for Auricular Cartilage Reconstruction using a Chitosan based Hydrogel. Histology and Histopathology. 30:1447-1485
122. Mota RD, Roldán SP, Pérez PE, Martínez RR, Hernández TE, Trujillo OME. Factores estresantes en lechones destetados comercialmente. Vet Méx 2014, 44 (2): 37-51 ISSN 0301-5092.
123. Roldán SP, Mota RD, Orozco GH, Borderas TF, Martínez RR, Mora MP, Flores PS, Sánchez HM, Trujillo OME. Welfare of recently weaned piglets transported on unpaved roads: the effect of age and the use of straw bedding.

Animal Production Science, 2014 <http://dx.doi.org/10.1071/AN13067>. 55 (5): 648-653 ISSN 18360939

124. Roldán SP, Trujillo OME, Borderas TF, Martínez RR, Mora MP, Flores PS, Sánchez HM, García HR, González LM, Mota RD. Physiometabolic responses to road transport in weaned piglets for a short period and the effects of Straw bedding. Animal Science Journal, 2014 o 2015. 1-9. <http://dx.doi.org/10.1111/asj.12324>.

125. Juárez MML, Anzaldúa ASR, Palma LI, García DC, Cornejo CMA, Córdova IA, Villaseñor GH, Trujillo OME. Oestrus Synchronization Treatment Induces Histomorphological Changes on the Uterine Tube Epithelium of the Gilt. J of Veterinary Medicine Anatomia Histología Embryologia, 2014. 1<http://dx.doi.org/10.1111/ahe.12156>.44 (6):441-451

126. Aguilar GJ, Mota RD, Escalona BH, Trujillo OME, Guerrero LI. Effect of diets with polyunsaturated fatty acids on pork sensory characteristics Agrociencia, 48, 8, 777-788, 2014 ISSN 14053195

127. Bolaños LD, Mota RD, Guerrero LI, Flores PS, Mota MP, Roldan SP, Borderas TF, Garcia HR, Trujillo OME, Ramírez NR. Recovery of Consciousness in hogs studnned with Co2: Physiological response Meat Science, 98, 2, 2014, 193-197 ISSN 03091740 , PubMed ID 2467538 Doi 10.1016/j.meatsci.2014.05.034

128. Vargas A, Mendoza ES, Trujillo OME, Reyes LB. Acta Horticulturae 1076,17, 137-140

129. Trujillo OME, Beltrán FR, García HME, Becerra HJF, Sarmiento SRE. Isolation and characterization of porcine epidemic diarrhea virus associated with the 2014 disease outbreak in Mexico. BMC Veterinary Research 12, 1, 2016, articulo número 132. ISSN 17466148 PubMed ID: 273557720 Doi: 10.1186/s12917-016-0763-z

130. Rivera BJF, Luz AJ, Saavedra MM, Jasso EMA, Sánchez BJI, Pérez TA, Reyes LJ, Hernández J, Martínez LA, Ramírez HM. (2016). Co-infection of classic swine H1N1 influenza virus in pigs persistently infected with porcine rubulavirus. Vet Mic, 184; 31-39.

131. Garcia HME, Rivera MM, Sánchez BJI, Chavez OR, Castañeda VA, Trujillo OME, Sarmiento SRE. Seroprevalence of anti-hepatitis E virus antibodies in domestics pig in Mexico. BMC Veterinary Research 2017 13.289 ISSN 17466148 Doi 10.1186/s12917-017-1208-z

132. Losada EN, Trujillo OME, Galindo F. The welfare of pigs in rustic and technified production sytems using the welfare quality protocols of pigs in Mexico: Validaiy of indicators of animal welfare as part of the sustainability criteria of pig

production systems. *Veterinaria México* OA Vol 4 (4) 2017 DOI: <http://dax.doi.org/10.21753/vmoa4.4.521>

133. Contreras LMJ, Ramírez MLA, Sarmiento SRE, Cruz-Lazo C, Perez TA, Sánchez-Betancourt JI. (2017). A first report on the presence of respiratory syncytial virus (RSV) and parainfluenza 3 virus (PI3) in Mexican sheep. *Virus Disease*. January-March 28 (1) 102-110.

134. Rendón AJU, Martínez GGR, Herradora LMA, Alonso SM. (2017) Efecto del peso al nacer, tamaño de camada y posición en la ubre sobre el crecimiento de cerdos durante la lactancia y engorda. *Rev Mex Cienc Pecu* 2017;8(1):75-81

135. Sánchez BJI, Cervantes TJB, Saavedra MM, Segura VRA (2017). Complete genome sequence of a novel influenza AH1N2 virus circulating in swine from Central Bajío Region, Mexico. Aceptado el 5 de enero del presente en la revista *Transboundary and Emerging Diseases*. 2017; 1-10.

136. Sánchez BJI, Cervantes TJB, Saavedra MM, Segura VRA (2017). Complete genome sequence of a novel influenza AH1N2 virus circulating in swine from Central Bajío Region, Mexico. Aceptado el 5 de enero del presente en la revista *Transboundary and Emerging Diseases*. 2017; 1-10.

137. Serrato MR, Medina TL, Calderas F, España SBL, Estévez M, Hernández MAR, Cruz SM, Sánchez IC, Gómez GR, Sánchez BJI, Velasquillo MMC, Luna BG. Rehology and gel point of the enzymatic hydrolysis of urea in the presence of urease. (2017) *Korea-Australia Theology Journal*, 29 (1), 1-7.

138. Saavedra MM, Castillo JH, Sánchez BJI, Rivera BF, Ramírez MH. Serological study of influenza viruses in veterinarians working with swine in Mexico. *Archives of Virology*. (2017) DOI: 10.1007/s00705/017-3282-8.

139. Pérez RMC, Sanvicente LM, Arnaud F, Carreón NR. Detección de anticuerpos contra patógenos en cerdos (*Sus scrofa*) asilvestrados y domésticos de la Reserva de la Biósfera Sierra la Laguna, México. *Veterinaria México* 4:1 (2017).

140. Contreras LMJ, Ramírez MLA, Sarmiento SRE, Cruz LC, Perez TA, Sánchez BJI. (2017). A first report on the presence of respiratory syncytial virus (RSV) and parainfluenza 3 virus (PI3) in Mexican sheep. *Virus Disease*. January-March 28 (1) 102-110.

141. Sánchez BJI, Cervantes TJB, Saavedra MM, Segura VRA (2017). Complete genome sequence of a novel influenza AH1N2 virus circulating in swine from Central Bajío Region, Mexico. Aceptado el 5 de enero del presente en la revista *Transboundary and Emerging Diseases*. 2017; 1-10.

142. Bedolla LF, Trujillo OME, Mendoza ES, Quintero RV, Alonso MR, Ramirez H, Sanchez BJI. Identification and genotyping of porcine circovirus type II (PCV2) in Mexico. 2018 VirusDis. Dpi.org/10.1007/s13337-018-0460-6.
143. Martínez BNR, Sciutto CE, Cervantes TJ, Segura VR, Mercado GMC, Ramírez MH, Trujillo OME, Delgadillo AJ, Castillo JH, Sanchez BJI. Phylogenetic analysis of ORF5 and ORF7 of porcine reproductive and respiratory syndrome (PRRS) virus and the frequency of wild – type PRRS in Mexico 2017 .DOI 10.1111/Tbed.12831 transboundary and emerging Disease
144. Sotomayor GA, Trujillo OME, Taboada RB, Sandoval JC, Sarmiento SRE. Philogenetic analysis and characterization of complete hepatitis E virus genome (zoonotic genotype 3) in swine samples from Mexico. 2018. Viruses 20188, 10, 391; doi: 10.3390/v10080391
145. Saavedra MM, Vaca L, Ramírez MH, Gaitán PC, Bautista MR, Segura VR, Cervantes TJ, Sánchez BJI. Identification and genomic characterization of influenza viruses with different origin in Mexican pigs, Transbound Emerg Dis, 2018, DOI: 10.1111/tbed.12998.
146. Espinosa HS, Gamba MR, Martínez CLV. (2018) Methodology for the evaluation of reproductive management in pig farms. Journal of Agricultural Science and Technology A 8. pp 388-397.
147. Vargas RA, García CLA, Ramírez AH, Rangel RIC, Alonso MRA, Sánchez BJI. (Junio 2018) Molecular characterization of the ORF2 of Torque teno sus virus 1a and Torque teno sus virus 1b detected in cases of postweaning multisystemic wasting syndrome in Mexico, Transbound Emerg Di. DOI: 10.1111/tbed.12956
148. Hernández TE, Bolaños LD, Beltrán FR, Sarmiento SRE, Juárez LN, Trujillo OME. (2019) Characterization of acute phase proteins associated with a porcine epidemic diarrhea virus outbreak in suckling piglets and sows in Mexico. Tip Revista Especializadas en Ciencias Químico-Biológicas, 22(1): 5-12pp. Doi: 10.22201/fesz239587723e.2019.1.1
149. Zepeda CJ, Cruz RA, Sampieri A, Carreón NR, Sánchez BJI, Vaca L. (2019) Incorporation of ORF2 from Porcine Circovirus Type 2(PCV2) into genetically encoded nanoparticles as a novel vaccine using a self aggregating peptide, Elsevier. Febrero 2019. Vaccine 37.1928–1937. DOI: 10.1016/j.vaccine.2019.02.044
150. Pérez RC, Ramírez MH, Mendoza ES, Segura VR, Sánchez BJI.(Marzo 2019) First report and phylogenetic analysis of porcine delta coronavirus in Mexico, Transbound Emerg Dis. DOI: 10.1111/tbed.13193
151. Juárez RM, Sánchez BJI, Trujillo OME, Mendoza ES, Carreón NR, Fuente MB, Trigo TFJ. (2019) Virus Dis.doi.org/10.1007/s13337-019-00531-

152. Elizondo QD, Zapata CL, Uribe FJA, Gaona B, Camacho VTA, Manuel CCA, Trujillo OME, Ramíres HG, Herradora LMA, Mercado GMC, Gutiérrez OA. An Escherichia coli-Expressed Porcine reproductive and respiratory Syndrome Virus Chimeric Protein Induces a specific Immunoglobulin G response in Immunized piglets. 2019 Viral Immunology 21 (9) <https://doi-org.pbidi.unam.mx:2443/10.1089/vim.2019.0047>
153. Cervantes ZJ, Cruz RA, Sampieri A, Carreón NR, Sánchez BJI, Vaca L. (2019). Incorporation of ORF2 from Porcine Circovirus Type 2 (PCV2) into genetically encoded nanoparticles as a novel vaccine using a self-aggregating peptide. Vaccine.
154. Reveles FS, Carreón NR, Mendoza ES, Quintero RV, García SJ, Martínez BR, Saavedra MM, Mosqueda Gualito JJ, Sánchez BJI. (2019) Emerging strains of porcine epidemic diarrhoea virus (PEDv) in Mexico. Transbound Emerg Dis.
155. Pérez RC, Ramírez MH, Mendoza ES, Segura VR, Sánchez BJI. First report and phylogenetic analysis of porcine deltacoronavirus in Mexico, Transbound Emerg Dis. Marzo 2019. DOI: 10.1111/tbed.13193.
156. Cruz RA, Zepeda CJ, Sampieri A, Bastian EC, Acero G, Sánchez BJI, Gevorkian G, Vaca L. A self-aggregating peptide: implications for the development of thermostable vaccine candidates. BMC Biotechnol. 2020; 20: 1
157. Mateus AJ, Gaytan CL, Montoya CC, Sánchez BJI, Zarza H, Segura VR, Ojeda FR. Molecular identification and phylogenetic characterization of influenza A virus at a wildlife– livestock interface in Mexico. Transbound Emerg Dis. Dec. 2020;(00):1-11. Doi. 10.1111/tbed.139
158. Maya BBA, Ojeda FR, Chavez A, Reveles FS, Orta PG, Martínez MJM, Saavedra MM, Segura VR, Sanvicente M, Sánchez BJI. (Mayo 2020) Eco-Epidemiological Evidence of the Transmission of Avian and Human Influenza A Viruses in Wild Pigs in Campeche, Mexico. Viruses 11;12(5):528. doi: 10.3390/v12050528
159. Flores CEP, González GS, Sánchez BJI, Trujillo OME, Quintanar GD, Ciprian CA, Mendoza ESE. (2020) Effect found in the combination of kitasamycin with other antibiotics used against Actinobacillus pleuropneumoniae. Journal of Biosciences and Medicines 8: 63-75 <https://www.scrips.org/journal/jbm>
160. López ST, Álvarez y Muñoz T, Medeiros DM, Moreno ES, Consuelo SA, Muñoz HO, Sarmiento SRS, Sotomayor GA, Trujillo OME, García HME, Tanoada RBI, Arenas HF. (2020) Serological and molecular study of Hepatitis E in pediatric patients in Mexico. Annals of hepatology 295-301. [HTTPS://doi.org/10.1016/j.aoheo.2019.12.004](https://doi.org/10.1016/j.aoheo.2019.12.004)

161. Miranda MRE, Rojas TV, Carrillo CEM, Sarmiento SER, Trujillo OME, Beltrán FR, Trigo TT. Frecuencia de *M. Hyopneumoniae*, *M. Hyorhinis* y *M. hyosynoviae* en muestras nasal y de pulmón de cerdos con síntomas de neumonía enzoótica porcina. 2020. Rev Mex Cienc Pecu 11(4): 946-960 <https://doi.org/10.22319/rmco.v11i4.5124>
162. Quintanar GD, Aguilera CCE, Trujillo OME, González GS, Vargas SA, Ciprán CA, Mendoza ES. (2020) Evaluation preliminary of a dry emulsión sistem as *Pasteurella multocida* oral carrier for pigs. Journal of Biosciences and Medicines,8:114-124 <https://www.scirp.org/journal/jbm>
163. Vargas SA, Trujillo OME, Reyes SLB, Mendoza ESE. (2020) Uso de un inóculo endógeno para acelerar la degradación de materia orgánica en una granja porcina por medio del proceso de compostaje. Rev. Int. Contam. Ambie. 36 (4) 985-996 <https://doi.org/10.20937/RICA.53416>
164. Contreras OAJ, Vigueras RM, Mendoza ESE, Martínez CFE, Gutiérrez PO, Trujillo OME. (2021) Postnatal testicular development in vietnamese pot-bellied pigs. Acta Histochemica 123 151741
165. <https://doi.org/10.1016/j.acthis.2021.151741>
166. Quezada FEA, Peñuelas RCG, Moysén AFS, Trujillo OME, Martínez CFE. (2015) Desempeño productivo y costos de granjas con diferentes protocolos de vacunación al virus de PRRS.2021, Rev. Mex. Cienc. Pecu12(1): 216. <https://doi.org/10.22319/rmcp.v12i1.5377>
167. García HME, Trujillo OME, Alcaraz ESL, Aguirre BLL, Sandoval JC, Taboada RBI, Sarmiento SRE. (2021) Molecular detection and characterization of epidemic diarrhea virus and porcine Aichivirus Ccoinfection in Mexico. 2021 Viruses, 13,738. <https://doi.org/10.3390/v13050738>
168. Romero FA, Gottschalk M, Bárcenas MG, Quintero RV, Galván PER, Carréon NR, Ramírez RR , Sánchez BJI, Cipirían CA, Mendoza ES. (2021). Predicción molecular de serotipos de *Streptococcus suis* aislados de granjas porcinas en México. Rev. Mex. Cienc. Pecu 2021; 12 (3):681-693
169. Lourdes M, Castañeda G, Chacón SR, Quintero V, Sánchez BJI, Cobos ML. (2021) Vaccination of nulliparous gilts against porcine epidemic diarrhoea can result in low neutralising antibody high litter mortality. Austral J. Vet Vol. 53, 147-152pp.
170. López PMA, Sánchez MS, Maya BAB, Orta PG, Reveles FA, Becker I, Bárcenas BK, Torres MA, Ojeda FR, Sánchez BJI. (Oct. 2021) Molecular detection of *Rickettsia amblyommatis* and *Rickettsia parkeri* in ticks collected from wild pigs in Campeche, Mexico. Ticks and Tick-borne Diseases. doi: 10.1016/j.ttbdis.2021.101844.

171. Martínez GR, Ramírez HG. (2021) Evaluación de las condiciones predisponentes a enfermedades en granjas porcinas a pequeña escala en un ambiente urbano en el noroeste de la Ciudad de México. *Revista Mexicana de Ciencias Pecuarias* Vol.12 (3) Julio-Septiembre: en prensa.
172. Romero FA, Gottschalk SM, Mendoza ES, Bárcenas MG, Sánchez I, Ciprias A, Quintero V. (2021) Serotyping of *Streptococcus suis* isolated from pig farms in México. Aceptado en la *Revista Mexicana de Ciencias Pecuarias*. *Rev Mex Cienc Pecu*. Vol. 12(3):681-693. <https://doi.org/10.22319/rmcp.v12i3.5668>
173. Ramos ME, Ramos MI, Sánchez BJI, Ramos MJ, Peña CS, Valencia J, Saucedo R, Cerbón M, Almeida AE. (Junio 2022) Association between galectin levels and neurodegenerative diseases: systematic review and meta-analysis. *Biomolecules*.
174. Ramos MI, Ramos ME, Seguro VR, Saavedra MM, Torres CJ, Cerbón M, Papy GD, Zenteno E, Sánchez BJI. (2022) Heparan Sulfate and Sialic Acid in Viral Attachment: Two Sides of the Same Coin? *J. Molec Sci*, 23, 9842.
175. Mendoza VCD, Gutiérrez PO, Bernard BMJ, Medina TL, Monroy BM, Gimeno M, Trujillo OME. (2022) Boar semen cryopreserved trehalose-containing liposomes:disaccharide determination and rheological behaviour. *Zygote*. 30:895-902. doi: [10.1017/S0967199422000442](https://doi.org/10.1017/S0967199422000442)
176. Blunt R, Mellitis K, Corona-Barrera, Pradal-Roa P, McOrist S. 2022Carriage of *Brachyspira hyodysenteriae* on common insect vectors *Veterinary Microbiology* 268,109417
177. Rogers MNA, Martínez CFE, Trujillo OME. (2022) Costo y efecto del Virus de la Diarrea epidémica Porcina en el desempeño (re)productivo de una granja de ciclo completo en México. *TEA-inf.Tec.Econ.Agrar*.118(3):441-452. <https://doi.org/10.12706/itea.2021.034>
178. Amador CJ, Martínez CFE, Trujillo OME. (2022) Economic impact of porcine epidemic diarrhea in Mexico. *Agroproductividad* <https://doi.org/10.32854/agrop.v14i6.1957>
179. García CRNP, Martínez CFE, Hernández TE, Sarmiento SRE, Beltrán FR, García HME, Trujillo OME. (2023). Evaluación de la serconversión de cerdas con el uso de un inóculo a diferentes dosis y vehículos contra la diarrea epidémica porcina. *Rev Mexicana de Ciencias Pecuarias* 14 (2).
180. Fragoso ZP, Galván PMRE, Martínez GRG, Herradora LMA. (2023). Evaluación de la resistencia a la colistina a partir de aislamientos de *Escherichia coli* en cerdos en México. *Brazilian Journal of Animal and Environmental Research* 6 (1) 692-709