



**Sistema Integral de Información Académica**  
**Coordinación de Planeación, Evaluación y**  
**Simplificación de la Gestión Institucional**  
**Reporte individual**



**JUAN CARLOS ANGELES HERNANDEZ**

## Datos Generales

**Nombre:** JUAN CARLOS ANGELES HERNANDEZ

**Máximo nivel de estudios:** DOCTORADO

**Antigüedad académica en la UNAM:** 0 años, 10 meses, 0 días

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## Nombramientos

**Vigente:** PROFESOR DE CARRERA ASOCIADO C TC No Definitivo  
Facultad de Medicina Veterinaria y Zootecnia  
Desde 01-12-2024

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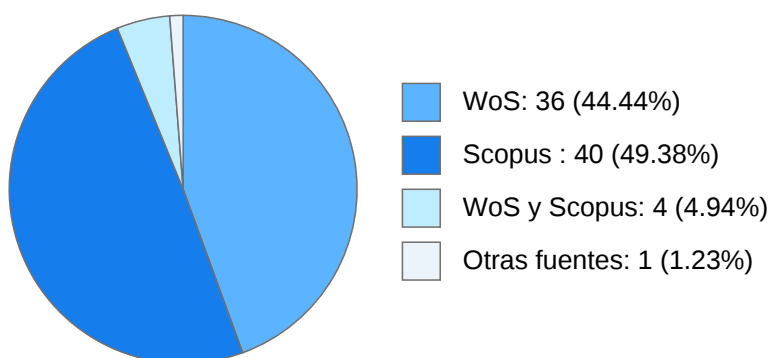
## Estímulos, programas, premios y reconocimientos

SNI IVIGENTE  
SNI I 2022 - 2023  
SNI C 2021

**JUAN CARLOS ANGELES HERNANDEZ**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



| # | Título                                                                                                                | Autores                                                                                                                   | Revista                               | Año  |
|---|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|---------------------------------------|------|
| 1 | Recent Developments in Antibiotic Contamination of Animal Products, Soil, and Water Worldwide - A Review              | JUAN CARLOS ANGELES HERNANDEZ<br>Robles-Jimenez L.E. Ghavipanje N. et al.                                                 | ANN ANIM SCI                          | 2025 |
| 2 | Global prevalence of <i>Eimeria</i> species in goats: a systematic review and meta-analysis                           | JUAN CARLOS ANGELES HERNANDEZ<br>Endris A. Ali Abdul Ghafar et al.                                                        | Frontiers In Veterinary Science       | 2025 |
| 3 | Oral selenium supplementation improves the reproductive performance of rams: A systematic review and meta-analysis    | JUAN HEBERTH HERNANDEZ<br>MEDRANO ERIKA GEORGINA<br>HERNANDEZ ROJAS DAVID<br>ALEJANDRO CONTRERAS CARO DEL CASTILLO et al. | SMALL RUMINANT RESEARCH               | 2025 |
| 4 | Evaluation of empirical and mechanistic models and sampling intervals to model the lactation curves of F1 dairy sheep | JUAN CARLOS ANGELES HERNANDEZ<br>Lilian Guevara Nicolas<br>Lopez-Villalobos et al.                                        | TROPICAL ANIMAL HEALTH AND PRODUCTION | 2025 |
| 5 | Multivariate Approach to Antimicrobial Residue Concentrations in Animal-Derived Products: An Analytical Review        | JUAN CARLOS ANGELES HERNANDEZ<br>DAVID ALEJANDRO CONTRERAS<br>CARO DEL CASTILLO<br>Espinosa-Sánchez A. et al.             | Veterinary Medicine and Science       | 2025 |

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|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|------|
| 6  | Evaluation of Rumen-Protected Methionine Supplementation on Milk Production and Composition in Crossbred Dairy Sheep                                                      | JUAN CARLOS ANGELES HERNANDEZ<br>ANGELICA VALERIA LORENZANA<br>MORENO AUGUSTO CESAR LIZARAZO<br>CHAPARRO et al. | Animals                                                      | 2025 |
| 7  | Effect of dietary citrus pulp on performance and dry matter digestibility in dairy cows: A meta-analysis and meta-regression                                              | AURORA HILDA RAMIREZ PEREZ<br>AUGUSTO CESAR LIZARAZO<br>CHAPARRO JUAN CARLOS ANGELES<br>HERNANDEZ et al.        | ANIMAL FEED<br>SCIENCE AND<br>TECHNOLOGY                     | 2025 |
| 8  | The role of artificial intelligence in Latin American ruminant production systems                                                                                         | JUAN CARLOS ANGELES HERNANDEZ<br>Vargas-Bello-Pérez E.<br>Espinoza-Sandoval O.R. et al.                         | Animal<br>Frontiers                                          | 2024 |
| 9  | Analysis of spatially distributed enteric methane emissions from cattle across the geo-climatic regions of Mexico and uncertainty assessment                              | JUAN CARLOS ANGELES HERNANDEZ<br>Ku-Vera J.C. Vázquez-Carrillo M.F.<br>et al.                                   | ATMOSPHERIC<br>ENVIRONMENT                                   | 2024 |
| 10 | FORAGE YIELD, CHEMICAL COMPOSITION AND POTENTIAL MILK YIELD USING MAIZE SILAGE FROM ASIA, EUROPE, NORTH AND SOUTH AMERICAN CONTINENTS: A SYSTEMATIC REVIEW                | JUAN CARLOS ANGELES HERNANDEZ<br>Robles-Jimenez L.E. Osorio-Avalos<br>J. et al.                                 | Tropical And<br>Subtropical<br>Agroecosystem<br>s (en Línea) | 2024 |
| 11 | The Use of Mesquite Pods ( <i>Prosopis</i> spp.) as an Alternative to Improve the Productive Performance and Methane Mitigation in Small Ruminants: A Meta-Analysis       | JUAN CARLOS ANGELES HERNANDEZ<br>Angel Garduno Garcia Mohammed<br>Benaouda et al.                               | FERMENTATION-<br>BASEL                                       | 2024 |
| 12 | The Physicochemical Parameters, Phenolic Content, and Antioxidant Activity of Honey from Stingless Bees and <i>Apis mellifera</i> : A Systematic Review and Meta-Analysis | NURIA MORFIN RAMIREZ NURIA<br>ESTURAU ESCOFET JUAN CARLOS<br>ANGELES HERNANDEZ et al.                           | Antioxidants                                                 | 2024 |
| 13 | EVALUACIÓN DE LOS PATRONES DE FERMENTACIÓN IN VITRO Y PRODUCCIÓN DE METANO DE VAINA DE MEZQUITE ( <i>Prosopis</i> spp.)                                                   | JUAN CARLOS ANGELES HERNANDEZ<br>AUGUSTO CESAR LIZARAZO<br>CHAPARRO Elizalde Téllez J.M. et al.                 | Tropical And<br>Subtropical<br>Agroecosystem<br>s (en Línea) | 2022 |
| 14 | Effect of soybean grain ( <i>Glycine max</i> L.) supplementation on the production and fatty acid profile in milk of grazing cows in the dry tropics of Mexico            | JUAN CARLOS ANGELES HERNANDEZ<br>Vieyra-Alberto R. Zetina-Martínez<br>R.E. et al.                               | TROPICAL<br>ANIMAL HEALTH<br>AND<br>PRODUCTION               | 2022 |
| 15 | Prevalence of Parasitic Infections with Zoonotic Potential in Tilapia: A Systematic Review and Meta-Analysis                                                              | JUAN CARLOS ANGELES HERNANDEZ<br>JORGE LUIS DE LA ROSA ARANA<br>Acosta-Pérez V.J. et al.                        | Animals                                                      | 2022 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------|------|
| 16 | Prediction of carcase characteristics using neck traits from hair-sheep ewes                                                                                             | JUAN CARLOS ANGELES HERNANDEZ<br>Rivera-Alegria F.D.M. Ríos-Rincón F.G. et al.       | ITALIAN JOURNAL OF ANIMAL SCIENCE     | 2022 |
| 17 | Worldwide traceability of antibiotic residues from livestock in wastewater and soil: A systematic review                                                                 | JUAN CARLOS ANGELES HERNANDEZ<br>Robles-Jimenez L.E. Aranda-Aguirre E. et al.        | Animals                               | 2022 |
| 18 | Estimation of Carcass Tissue Composition from the Neck and Shoulder Composition in Growing Blackbelly Male Lambs                                                         | JUAN CARLOS ANGELES HERNANDEZ<br>Gastelum-Delgado M.A. Aguilar-Quíñonez J.A. et al.  | Foods                                 | 2022 |
| 19 | Oilseed Supplementation Improves Milk Composition and Fatty Acid Profile of Cow Milk: A Meta-Analysis and Meta-Regression                                                | JUAN CARLOS ANGELES HERNANDEZ<br>Plata-Pérez G. Morales-Almaráz E. et al.            | Animals                               | 2022 |
| 20 | The economic effects of grazing in small-scale lamb fattening production systems in central México through a scenario analysis                                           | JUAN CARLOS ANGELES HERNANDEZ<br>Salinas-Martínez J.A. Posadas-Domínguez R.R. et al. | TROPICAL ANIMAL HEALTH AND PRODUCTION | 2022 |
| 21 | Models to predict live weight from heart girth in crossbred beef heifers                                                                                                 | JUAN CARLOS ANGELES HERNANDEZ<br>Chico-Alcudia D.R. Portillo-Salgado R. et al.       | TROPICAL ANIMAL HEALTH AND PRODUCTION | 2022 |
| 22 | The nasal epithelium as a route of infection and clinical signs changes, in rainbow trout ( <i>Oncorhynchus mykiss</i> ) fingerlings infected with <i>aeromonas</i> spp. | JUAN CARLOS ANGELES HERNANDEZ<br>Gómez de Anda F.R. Vega-sánchez V. et al.           | APPLIED SCIENCES-BASE L               | 2021 |
| 23 | Zinc supplementation improves growth performance in small ruminants: A systematic review and meta-regression analysis                                                    | JUAN CARLOS ANGELES HERNANDEZ<br>Miranda M. Munoz-Benitez A.L. et al.                | ANIMAL PRODUCTION SCIENCE             | 2021 |
| 24 | Effect of tannins from tropical plants on methane production from ruminants: A systematic review                                                                         | JUAN CARLOS ANGELES HERNANDEZ<br>Cardoso-Gutierrez E. Aranda-Aguirre E. et al.       | Veterinary And Animal Science         | 2021 |
| 25 | Effect of forage to concentrate ratio and fat supplementation on milk composition in dairy sheep: A meta-analysis                                                        | JUAN CARLOS ANGELES HERNANDEZ<br>Vieyra Alberto R. Kebreab E. et al.                 | LIVESTOCK SCIENCE                     | 2020 |
| 26 | Development of mathematical models to predict enteric methane emission by cattle in Latin America                                                                        | JUAN CARLOS ANGELES HERNANDEZ<br>Benaouda M. González-Ronquillo M. et al.            | LIVESTOCK SCIENCE                     | 2020 |

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|----|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|------|
| 27 | Estimation of body weight in hair ewes using an indirect measurement method                                                                                              | JUAN CARLOS ANGELES HERNANDEZ<br>Canul-Solis J. García-Herrera R.A.<br>et al.                            | TROPICAL<br>ANIMAL HEALTH<br>AND<br>PRODUCTION                                              | 2020 |
| 28 | Milk production of lacauene sheep with different degrees of crossing with manchega sheep in a commercial flock in Spain                                                  | JUAN CARLOS ANGELES HERNANDEZ<br>Gonzalez-Ronquillo M. Avalos J.O.<br>et al.                             | Animals                                                                                     | 2020 |
| 29 | A meta-analysis on the effect of the feeding type and production system on the carcass quality of lambs                                                                  | JUAN CARLOS ANGELES HERNANDEZ<br>Lizbeth Esmeralda Robles Jimenez<br>Anna Naranjo et al.                 | ITALIAN<br>JOURNAL OF<br>ANIMAL<br>SCIENCE                                                  | 2019 |
| 30 | Veterinary Antibiotics in Animal Diet: Effects on Waste/Environment                                                                                                      | JUAN CARLOS ANGELES HERNANDEZ<br>Robles Jimenez L.E. Osorio Avalos J.<br>et al.                          | Reference<br>Series In<br>Phytochemistry                                                    | 2019 |
| 31 | Effect of live weight pre- and post-lambing on milk production of East Friesian sheep                                                                                    | JUAN CARLOS ANGELES HERNANDEZ<br>AURORA HILDA RAMIREZ PEREZ Sergio<br>Radic Schilling et al.             | ITALIAN<br>JOURNAL OF<br>ANIMAL<br>SCIENCE                                                  | 2018 |
| 32 | The application of a mechanistic model to analyze the factors that affect the lactation curve parameters of dairy sheep in Mexico                                        | JUAN CARLOS ANGELES HERNANDEZ<br>AURORA HILDA RAMIREZ PEREZ<br>AUGUSTO CESAR LIZARAZO<br>CHAPARRO et al. | SMALL<br>RUMINANT<br>RESEARCH                                                               | 2018 |
| 33 | Effect of genetic group on characteristics of the ovine lactation curve                                                                                                  | JUAN CARLOS ANGELES HERNANDEZ<br>AURORA HILDA RAMIREZ PEREZ<br>SERGIO CARLOS ANGELES CAMPOS<br>et al.    | Ecosistemas Y<br>Recursos<br>Agropecuarios                                                  | 2018 |
| 34 | Effect of Selenium and Vitamin E Supplementation on Lactate, Cortisol, and Malondialdehyde in Horses Undergoing Moderate Exercise in a Polluted Environment              | ELIAS VELAZQUEZ CANTON NAZARETH<br>DE LA CRUZ RODRIGUEZ LUIS ALBERTO<br>ZARCO QUINTERO et al.            | JOURNAL OF<br>EQUINE<br>VETERINARY<br>SCIENCE                                               | 2018 |
| 35 | Effect of selenium and vitamin E supplementation on erythrocyte superoxide dismutase activity and blood concentrations of zinc and copper in moderately exercised horses | LUIS ALBERTO ZARCO QUINTERO<br>JUAN CARLOS ANGELES HERNANDEZ<br>JUAN CARLOS RAMIREZ OREJEL et al.        | JOURNAL OF<br>ANIMAL<br>SCIENCE                                                             | 2018 |
| 36 | Horizontal evolution of intermittent gas-liquid flows with highly viscous phases                                                                                         | JUAN CARLOS ANGELES HERNANDEZ<br>ARTURO PALACIO PEREZ ALEJANDRO<br>RODRIGUEZ VALDES et al.               | International<br>Journal Of<br>Computational<br>Methods And<br>Experimental<br>Measurements | 2018 |

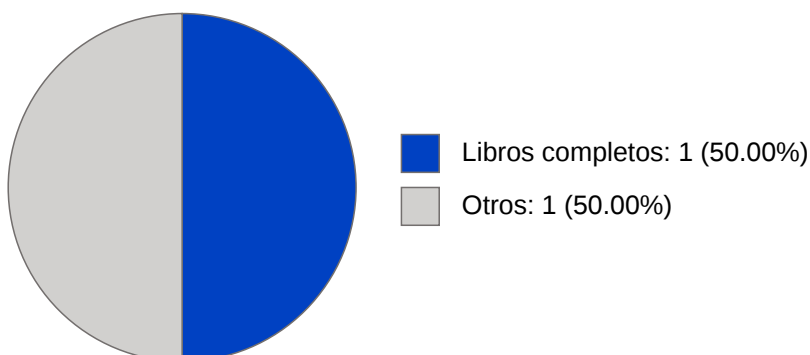
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|----|------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|----------------------------------------------------|------|
| 37 | Antibiotic and synthetic growth promoters in animal diets: Review of impact and analytical methods                                                   | JUAN CARLOS ANGELES HERNANDEZ<br>Gonzalez Ronquillo M.                                               | Food Control                                       | 2017 |
| 38 | Ensiling on chemical composition and in vitro fermentation in rabbits of different forages                                                           | JUAN CARLOS ANGELES HERNANDEZ<br>Valdes Medina, Karla Ivonne<br>Sanchez, Amelia Zetina et al.        | Ciencia Rural                                      | 2017 |
| 39 | PRODUCCIÓN ORGÁNICA DE LECHE DE OVEJA                                                                                                                | JUAN CARLOS ANGELES HERNANDEZ<br>González-Ronquillo M.<br>Malcher-Pérez-Rocha J. et al.              | Tropical And Subtropical Agroecosystems (en Línea) | 2014 |
| 40 | Application of the Wood model to analyse lactation curves of organic dairy sheep farming                                                             | JUAN CARLOS ANGELES HERNANDEZ<br>HUGO HORACIO MONTALDO<br>VALDENEGRO Castelan Ortega, Octavio et al. | ANIMAL PRODUCTION SCIENCE                          | 2014 |
| 41 | Effects of crossbreeding on milk production and composition in dairy sheep under organic management                                                  | JUAN CARLOS ANGELES HERNANDEZ<br>AURORA HILDA RAMIREZ PEREZ<br>Castelan Ortega, Octavio A. et al.    | ANIMAL PRODUCTION SCIENCE                          | 2014 |
| 42 | Comparison of Mathematical Models Applied to FI Dairy Sheep Lactations in Organic Farm and Environmental Factors Affecting Lactation Curve Parameter | JUAN CARLOS ANGELES HERNANDEZ<br>Albarran-Portillo, B. Gomez<br>Gonzalez, A. V. et al.               | ASIAN-AUSTRAL ASIAN JOURNAL OF ANIMAL SCIENCES     | 2013 |

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## LIBROS Y CAPITULOS CON ISBN

### Obras con registro ISBN



| # | Título                                                                                                                             | Autores                                                              | Alcance           | Año  | ISBN          |
|---|------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|-------------------|------|---------------|
| 1 | Improving Lactation Curve Estimation in Sheep: A Comparative Analysis of Machine Learning Algorithms Across Milk Recording Schemes | JUAN CARLOS ANGELES HERNANDEZ Guevara L. Castro-Espinoza F.A. et al. | Conferencia Paper | 2025 | 9783031838811 |
| 2 | Cambio climático: un futuro inexorable                                                                                             | JUAN CARLOS ANGELES HERNANDEZ                                        | Libro Completo    | 2022 | 9786074827262 |



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**PARTICIPACIÓN EN PROYECTOS**

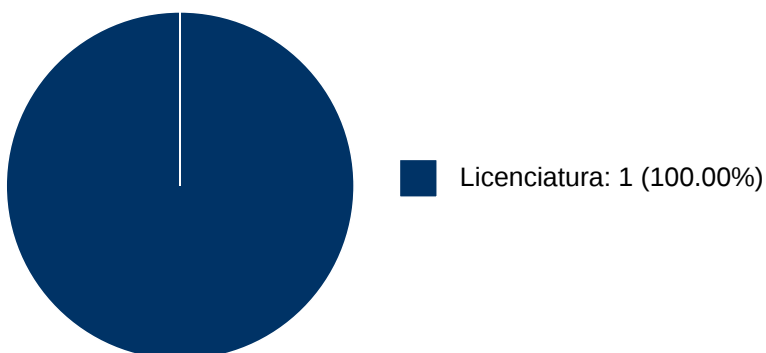
**No se encuentran registros en la base de datos de SISEPRO asociados a:**

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**PARTICIPACIÓN EN TESIS**

**Histórico de Colaboraciones en Tesis**

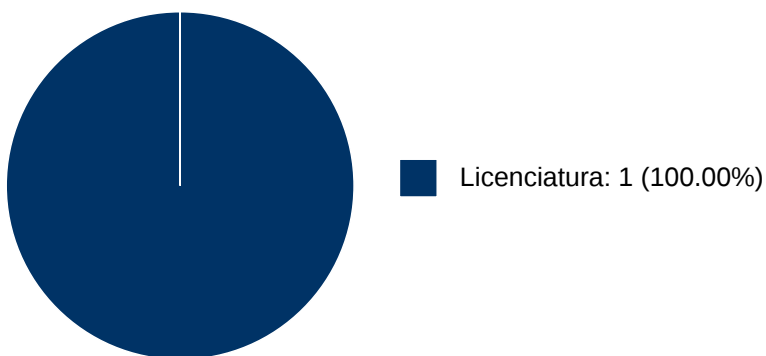


| # | Título del documento                                                                                                                   | Tipo de Tesis         | Sinodales                      | Autores                                      | Entidad                                       | Año  |
|---|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------|--------------------------------|----------------------------------------------|-----------------------------------------------|------|
| 1 | Diagnóstico histopatológico e inmunohistoquímico de agentes virales involucrados en el complejo respiratorio porcino en casos de campo | Tesis de Licenciatura | JUAN CARLOS ANGELES HERNANDEZ, | MIREYA JUAREZ RAMIREZ, Aguayo Ávalos, Oscar, | Facultad de Medicina Veterinaria y Zootecnia, | 2016 |

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## DOCENCIA IMPARTIDA

### Histórico de docencia



| # | Nivel titulación | Asignatura | Entidad                                         | Alumnos | Semestre |
|---|------------------|------------|-------------------------------------------------|---------|----------|
| 1 | Licenciatura     | BIOQUIMICA | Facultad de Medicina<br>Veterinaria y Zootecnia | 56      | 2015-1   |



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**JUAN CARLOS ANGELES HERNANDEZ**

**PATENTES**

**No se encuentran registros en la base de datos de patentes asociados a:**

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**FUENTES DE INFORMACIÓN**

**Internos**

| # | Información                                                          | Fuente | Sistema     | Periodo   |
|---|----------------------------------------------------------------------|--------|-------------|-----------|
| 1 | Grupos ordinarios y resumen de historias académicas                  | DGAE   | SIAE        | 2008-2025 |
| 2 | Nombramientos, datos generales, estímulos, premios y reconocimientos | DGAPA  | RUPA        | 2008-2025 |
| 3 | Producción Académica                                                 | CH     | Humanindex  | 2008-2021 |
| 4 | Producción Académica                                                 | CIC    | SCIC        | 2000-2017 |
| 5 | Proyectos                                                            | DGPO   | SISEPRO     | 2018-2022 |
| 6 | Tesis                                                                | DGB    | TESIUNAM    | 2008-2025 |
| 7 | Tutorías en Posgrado                                                 | CGEP   | SIIPosgrado | 2008-2021 |

**Externos**

| #  | Información             | Fuente          | Sistema      | Periodo   |
|----|-------------------------|-----------------|--------------|-----------|
| 8  | Documentos Indexados    | Elsevier        | Scopus       | 2008-2025 |
| 9  | Documentos Indexados    | Thomson Reuters | WoS          | 2008-2025 |
| 10 | Obras con registro ISBN | INDAUTOR        | Agencia ISBN | 2008-2025 |
| 11 | Patentes                | IMPI            | SIGA         | 2008-2024 |