



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



**MARIA LAURA GONZALEZ DAVALOS**

## **Datos Generales**

**Nombre:** MARIA LAURA GONZALEZ DAVALOS

**Máximo nivel de estudios:** MAESTRÍA

**Antigüedad académica en la UNAM:** 17 años

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## **Nombramientos**

**Vigente:** TECNICO ACADEMICO TITULAR B TC Definitivo  
Facultad de Estudios Superiores "Cuautitlán"  
Desde 01-12-2022

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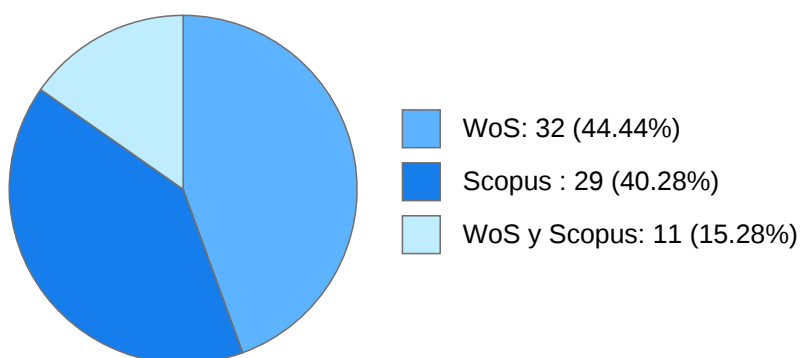
## **Estímulos, programas, premios y reconocimientos**

PRIDE C 2011 - 2024

**MARIA LAURA GONZALEZ DAVALOS**

**DOCUMENTOS EN REVISTAS**

**Histórico de Documentos**



| # | Título                                                                                                                                                                        | Autores                                                                                                         | Revista                                                       | Año  |
|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------|
| 1 | Physicochemical characterization and 16S rRNA analysis of a direct-fed microbial from calf ruminal fluid and its protective effect on Sprague-Dawley rat gut barrier function | MARIA LAURA GONZALEZ DAVALOS<br>ERICKA ALEJANDRA DE LOS RIOS<br>ARELLANO ALMA GUADALUPE<br>VAZQUEZ DURAN et al. | Translational<br>Animal Science                               | 2025 |
| 2 | I. sonorae, C. limetta, and B. media phytoextracts and their antidiabetic potential                                                                                           | MARIA OFELIA MORA IZAGUIRRE<br>MARIA LAURA GONZALEZ DAVALOS<br>Iza F. Perez-Ramirez et al.                      | BIOTECNIA                                                     | 2024 |
| 3 | Dental caries prevalence and severity positively associate with AMY1 gene copy number                                                                                         | MARIA LAURA GONZALEZ DAVALOS<br>EVA OLIVIA VAZQUEZ MARTINEZ<br>Mauricio-Castillo R. et al.                      | CLINICAL ORAL<br>INVESTIGATIONS                               | 2024 |
| 4 | Characterization of an Acidogenic Bacterial Consortium as Probiotic and Its Effect on Rumen Fermentation In Vitro and In Vivo                                                 | CAROLINA ROBLES RODRIGUEZ MARIA<br>LAURA GONZALEZ DAVALOS CARLOS<br>LOZANO FLORES et al.                        | Ruminants                                                     | 2023 |
| 5 | Study on manipulation of ruminal fermentation using a bioelectrochemical system                                                                                               | GERMAN BUITRON MENDEZ<br>ARMANDO SADAJIKO SHIMADA<br>MIYASAKA JORGE TONATIUH AYALA<br>SUMUANO et al.            | JOURNAL OF<br>ANIMAL<br>PHYSIOLOGY<br>AND ANIMAL<br>NUTRITION | 2023 |

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|    |                                                                                                                                                               |                                                                                                            |                                                               |      |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|------|
| 6  | Single-Chamber Electrofermentation of Rumen Fluid Increases Microbial Biomass and Volatile Fatty Acid Production without Major Changes in Diversity           | MARIA LAURA GONZALEZ DAVALOS<br>ALFREDO VARELA ECHAVARRIA<br>ARMANDO SADAJIKO SHIMADA<br>MIYASAKA et al.   | FERMENTATION-<br>BASEL                                        | 2023 |
| 7  | Microbial colonization dynamics of the postnatal digestive tract of Bos indicus calves                                                                        | VIJAYKUMAR MULEY MARIA LAURA<br>GONZALEZ DAVALOS ARMANDO<br>SADAJIKO SHIMADA MIYASAKA et al.               | ANIMAL<br>SCIENCE<br>JOURNAL                                  | 2023 |
| 8  | Isolation of bacterial consortia with probiotic potential from the rumen of tropical calves                                                                   | MARIA LAURA GONZALEZ DAVALOS<br>CARLOS LOZANO FLORES ALFREDO<br>VARELA ECHAVARRIA et al.                   | JOURNAL OF<br>ANIMAL<br>PHYSIOLOGY<br>AND ANIMAL<br>NUTRITION | 2023 |
| 9  | Fructose promotes more than glucose the adipocytic differentiation of pig mesenchymal stem cells                                                              | MARIA LAURA GONZALEZ DAVALOS<br>ENRIQUE PIÑA GARZA ARMANDO<br>SADAJIKO SHIMADA MIYASAKA et al.             | JOURNAL OF<br>FOOD<br>BIOCHEMISTRY                            | 2022 |
| 10 | Chitosan Nanoparticles Containing Lipoic Acid with Antioxidant Properties as a Potential Nutritional Supplement                                               | KATRIN QUESTER MARIA LAURA<br>GONZALEZ DAVALOS CARLOS<br>LOZANO FLORES et al.                              | Animals                                                       | 2022 |
| 11 | Chia seeds and chemical-elicited sprouts supplementation ameliorates insulin resistance, dyslipidemia, and hepatic steatosis in obese rats                    | MARIA OFELIA MORA IZAGUIRRE<br>MARIA LAURA GONZALEZ DAVALOS<br>Gómez-Velázquez H.D.J. et al.               | JOURNAL OF<br>FOOD<br>BIOCHEMISTRY                            | 2022 |
| 12 | OPTIMIZATION OF THE EXTRACTION AND PURIFICATION OF A RECOMBINANT beta-CAROTENE 15,15'-MONOOXYGENASE FROM INCLUSION BODIES                                     | MARIA LAURA GONZALEZ DAVALOS<br>ARMANDO SADAJIKO SHIMADA<br>MIYASAKA MARIA OFELIA MORA<br>IZAGUIRRE et al. | Agrociencia                                                   | 2021 |
| 13 | Endodontic set sealer eluates promote cytokine production in human mononuclear and periodontal ligament cells                                                 | MARIA OFELIA MORA IZAGUIRRE<br>MARIA LAURA GONZALEZ DAVALOS<br>Pérez-Serrano R.M. et al.                   | AUSTRALIAN<br>ENDODONTIC<br>JOURNAL                           | 2021 |
| 14 | Glucocorticoid gene regulation of aquaporin-7                                                                                                                 | MARIA LAURA GONZALEZ DAVALOS<br>ENRIQUE PIÑA GARZA ARMANDO<br>SADAJIKO SHIMADA MIYASAKA et al.             | Vitamins and<br>Hormones                                      | 2020 |
| 15 | Mechanisms Associated with the Effect of Hypericum perforatum and Smilax cordifolia Aqueous Extracts on Hepatic Steatosis in Obese Rats: A Lipidomic Approach | MARIA LAURA GONZALEZ DAVALOS<br>MARIA OFELIA MORA IZAGUIRRE<br>Pérez-Ramírez I.F. et al.                   | EUROPEAN<br>JOURNAL OF<br>LIPID SCIENCE<br>AND<br>TECHNOLOGY  | 2019 |
| 16 | Cardiac Lipid Metabolism Is Modulated by Casimiroa edulis and Crataegus pubescens Aqueous Extracts in High Fat and Fructose (HFF) Diet-Fed Obese Rats         | MARIA LAURA GONZALEZ DAVALOS<br>MARIA OFELIA MORA IZAGUIRRE<br>Pérez-Ramírez I.F. et al.                   | EUROPEAN<br>JOURNAL OF<br>LIPID SCIENCE<br>AND<br>TECHNOLOGY  | 2019 |

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|----|-------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-------------------------------------------------|------|
| 17 | Effect of alpha-lipoic acid on productive parameters and ruminal VFA profile in sheep                                                     | MARIA LAURA GONZALEZ DAVALOS<br>MARIA OFELIA MORA IZAGUIRRE<br>YESMIN MARIA DOMINGUEZ<br>HERNANDEZ et al.      | JOURNAL OF<br>ANIMAL<br>SCIENCE                 | 2019 |
| 18 | Efecto de la zeolita nanoestructurada con ácido lipoico sobre los parámetros productivos y rendimiento de la canal en el pollo de engorda | MARIA OFELIA MORA IZAGUIRRE<br>KATRIN QUESTER VITALI PETRANOVSKI<br>AFANASIEVNA et al.                         | Revista<br>Mexicana De<br>Ciencias<br>Pecuarias | 2018 |
| 19 | PPAR Agonists Promote the Differentiation of Porcine Bone Marrow Mesenchymal Stem Cells into the Adipogenic and Myogenic Lineages         | MARIA LAURA GONZALEZ DAVALOS<br>ARMANDO SADAJIKO SHIMADA<br>MIYASAKA ANAID ANTARAMIAN<br>SALAS et al.          | Cells Tissues<br>Organs                         | 2017 |
| 20 | Lipoic acid promotes the down-regulation of hepatic gene expression in broilers                                                           | MARIA OFELIA MORA IZAGUIRRE<br>CARLOS JOVITO ALVAREZ ALONSO<br>MARIA LAURA GONZALEZ DAVALOS<br>et al.          | EUROPEAN<br>POULTRY<br>SCIENCE                  | 2017 |
| 21 | Effect of Ocimum sanctum and Crataegus pubescens aqueous extracts on obesity, inflammation, and glucose metabolism                        | MARIA LAURA GONZALEZ DAVALOS<br>MARIA OFELIA MORA IZAGUIRRE<br>Perez-Ramirez, Iza F. et al.                    | JOURNAL OF<br>FUNCTIONAL<br>FOODS               | 2017 |
| 22 | A complete chitinolytic system in the atherinopsid pike silverside Chirostoma estor: gene expression and activities                       | MARIA LAURA GONZALEZ DAVALOS<br>MARIA OFELIA MORA IZAGUIRRE<br>ARMANDO SADAJIKO SHIMADA<br>MIYASAKA et al.     | JOURNAL OF<br>FISH BIOLOGY                      | 2016 |
| 23 | HSD1 and AQP7 short-term gene regulation by cortisone in 3T3-L1 adipocytes                                                                | MARIA LAURA GONZALEZ DAVALOS<br>ENRIQUE PIÑA GARZA MARIA OFELIA<br>MORA IZAGUIRRE et al.                       | Adipocyte                                       | 2016 |
| 24 | Effect of resveratrol and lipoic acid on sirtuin-regulated expression of metabolic genes in bovine liver and muscle slice cultures        | MARIA LAURA GONZALEZ DAVALOS<br>ANAID ANTARAMIAN SALAS ENRIQUE<br>PIÑA GARZA et al.                            | JOURNAL OF<br>ANIMAL<br>SCIENCE                 | 2015 |
| 25 | Effect of resveratrol and lipoic acid on sirtuin-regulated expression of metabolic genes in bovine liver and muscle slice cultures        | MARIA LAURA GONZALEZ DAVALOS<br>ANAID ANTARAMIAN SALAS ENRIQUE<br>PIÑA GARZA et al.                            | JOURNAL OF<br>ANIMAL<br>SCIENCE                 | 2015 |
| 26 | Bovine (Bos taurus) Bone Marrow Mesenchymal Cell Differentiation to Adipogenic and Myogenic Lineages                                      | JESUS JONATHAN RAMIREZ ESPINOSA<br>MARIA LAURA GONZALEZ DAVALOS<br>ARMANDO SADAJIKO SHIMADA<br>MIYASAKA et al. | Cells Tissues<br>Organs                         | 2015 |

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|    |                                                                                                                                                                                   |                                                                                              |                                                          |      |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------------|------|
| 27 | Ghrelin stimulates myogenic differentiation in a mouse muscle satellite cell line and in primary cultures of bovine myoblasts                                                     | D. Montoya Flores MARIA OFELIA MORA IZAGUIRRE ELISA HORTENSIA TAMARIZ DOMINGUEZ et al.       | JOURNAL OF ANIMAL PHYSIOLOGY AND ANIMAL NUTRITION        | 2012 |
| 28 | In Vitro Conversion of beta-Carotene to Retinal in Bovine Rumen Fluid by a Recombinant beta-Carotene-15, 15'-Monooxygenase                                                        | ESPERANZA GARCIA LOPEZ ADRIANA GONZALEZ GALLARDO ANAID ANTARAMIAN SALAS et al.               | INTERNATIONAL JOURNAL FOR VITAMIN AND NUTRITION RESEARCH | 2012 |
| 29 | Effect of 2,4-Thiazolidinedione on Limousin Cattle Growth and on Muscle and Adipose Tissue Metabolism                                                                             | M. Arevalo Turrubiarte MARIA LAURA GONZALEZ DAVALOS ADOLFO KUNIO YABUTA OSORIO et al.        | PPAR RESEARCH                                            | 2012 |
| 30 | Bovine sirtuins: Initial characterization and expression of sirtuins 1 and 3 in liver, muscle, and adipose tissue                                                                 | Y. Ghinis Hozumi ADRIANA GONZALEZ GALLARDO MARIA LAURA GONZALEZ DAVALOS et al.               | JOURNAL OF ANIMAL SCIENCE                                | 2011 |
| 31 | Induction of peroxisomal proliferator-activated receptor gamma and peroxisomal proliferator-activated receptor gamma coactivator 1 by unsaturated fatty acids, retinoic acid, and | PATRICIA GARCIA ROJAS MONTIEL ANAID ANTARAMIAN SALAS MARIA LAURA GONZALEZ DAVALOS et al.     | JOURNAL OF ANIMAL SCIENCE                                | 2010 |
| 32 | Ghrelin, adrenaline and neostigmine stimulate the in vitro expression of ghrelin in lambs' abomasal tissue slices?                                                                | MARIA LAURA GONZALEZ DAVALOS MARIA OFELIA MORA IZAGUIRRE Perez, E et al.                     | FASEB JOURNAL                                            | 2008 |
| 33 | Effect of beta-carotene and retinoic acid on PPAR gamma expression during bovine white adipose tissue differentiation in vitro.                                                   | ANAID ANTARAMIAN SALAS MARIA LAURA GONZALEZ DAVALOS ARMANDO SADAJIKO SHIMADA MIYASAKA et al. | FASEB JOURNAL                                            | 2008 |



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**LIBROS Y CAPITULOS CON ISBN**

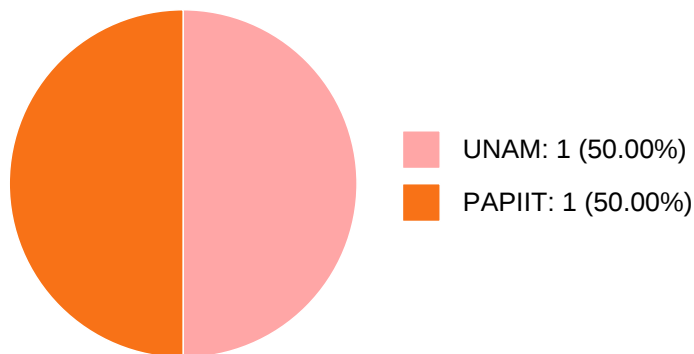
**No se encuentran registros en la base de datos de Humanindex asociados a:**

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## PARTICIPACIÓN EN PROYECTOS

### Histórico de participación en proyectos



| # | Nombre                                                                                                                                                                          | Participantes                                                              | Fuente                                           | Fecha inicio | Fecha fin  |
|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|--------------------------------------------------|--------------|------------|
| 1 | Búsqueda, identificación, aislamiento, y evaluación de consorcios microbianos digestivos de origen canino como posibles herramientas para el combate de la obesidad en el perro | MARIA LAURA<br>GONZALEZ DAVALOS<br>ARMANDO<br>SADAJIKO SHIMADA<br>MIYASAKA | Recursos PAPIIT                                  | 01-01-2024   | 31-12-2026 |
| 2 | Efecto del compuesto natural forskolina sobre la gluconeogénesis hepática en rumiantes                                                                                          | MARIA LAURA<br>GONZALEZ DAVALOS<br>MARIA OFELIA MORA<br>IZAGUIRRE          | Presupuesto de la UNAM asignado a la Dependencia | 01-05-2024   | 30-04-2025 |



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**MARIA LAURA GONZALEZ DAVALOS**

**PARTICIPACIÓN EN TESIS**

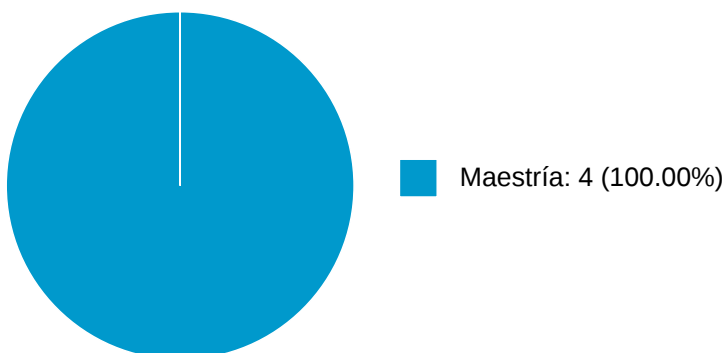
**No se encuentran registros en la base de datos de TESIUNAM asociados a:**

**MARIA LAURA GONZALEZ DAVALOS**

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**DOCENCIA IMPARTIDA**

**Histórico de docencia**



| # | Nivel titulación | Asignatura                             | Entidad                                      | Alumnos | Semestre |
|---|------------------|----------------------------------------|----------------------------------------------|---------|----------|
| 1 | Maestría         | TEMAS SELECTOS DE MEDICINA VETERINARIA | Facultad de Estudios Superiores "Cuautitlán" | 3       | 2010-1   |
| 2 | Maestría         | LABORATORIO DE ALIMENTOS PARA ANIMALES | Facultad de Estudios Superiores "Cuautitlán" | 1       | 2009-2   |
| 3 | Maestría         | TEMAS SELECTOS DE MEDICINA VETERINARIA | Facultad de Estudios Superiores "Cuautitlán" | 1       | 2009-1   |
| 4 | Maestría         | TEMAS SELECTOS DE MEDICINA VETERINARIA | Facultad de Estudios Superiores "Cuautitlán" | 1       | 2008-2   |



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**MARIA LAURA GONZALEZ DAVALOS**

**PATENTES**

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

**MARIA LAURA GONZALEZ DAVALOS**

**MARIA LAURA GONZALEZ DAVALOS**

**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 |