



Sistema Integral de Información Académica

Coordinación de Planeación, Evaluación y Simplificación de la Gestión Institucional

Reporte individual



MAGDALENA HERNANDEZ ORTIZ

Datos Generales

Nombre: MAGDALENA HERNANDEZ ORTIZ

Máximo nivel de estudios: MAESTRÍA

Antigüedad académica en la UNAM: 27 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo

Centro de Ciencias Genómicas

Desde 01-02-2019

Estímulos, programas, premios y reconocimientos

PRIDE D 2016 - 2024

PRIDE C 2016

PRIDE B 2014 - 2016

PRIDE Fijo 2014

PRIDE B 2014

PRIDE Fijo 2014

PRIDE B 2012 - 2013

PRIDE Fijo 2012

PRIDE B 2012

PRIDE Fijo 2011 - 2012

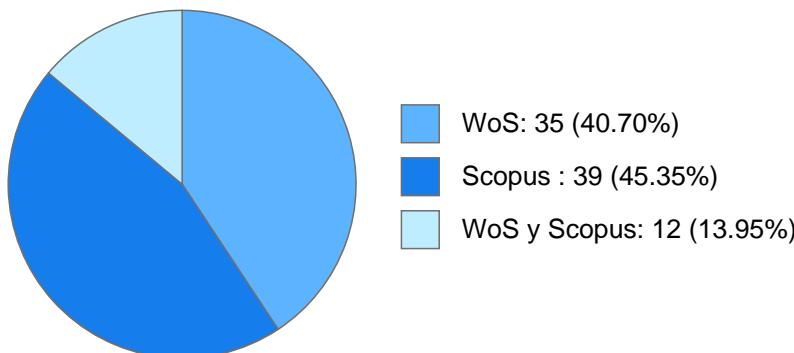
PRIDE C - 2011

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



| # | Título | Autores | Revista | Año |
|---|--|---|------------------------------|------|
| 1 | Revisiting toxins with transcriptomics-informed proteomics of venom glands and crude venom from Centruroides bicolor from Panama | MAGDALENA HERNANDEZ ORTIZ HERLINDA CATALINA CLEMENT CARRETERO SERGIO MANUEL ENCARNACION GUEVARA et al. | JOURNAL OF PROTEOMICS | 2025 |
| 2 | Transcriptomics-Informed Proteomics of Venom Glands and Crude Venom from Tityus cf. Asthenes from Panama: Enzymes, Proteins, Toxins, and Antimicrobial Peptides | MAGDALENA HERNANDEZ ORTIZ HERLINDA CATALINA CLEMENT CARRETERO LORENA HERNANDEZ ORIHUELA et al. | JOURNAL OF PROTEOME RESEARCH | 2025 |
| 3 | Proteomic and metabolomic analysis reveals that Amycolatopsis sp. BX17 synthesizes antifungal metabolites against Fusarium graminearum through the shikimate pathway | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA García-López H. et al. | BIOLOGICAL CONTROL | 2024 |
| 4 | MAYEX is an old long noncoding RNA recruited for X chromosome dosage compensation in a reptile | SERGIO MANUEL ENCARNACION GUEVARA MAGDALENA HERNANDEZ ORTIZ FAUSTO ROBERTO MENDEZ DE LA CRUZ et al. | Science | 2024 |
| 5 | A proteomic overview of the major venom components from Tityus championi from Panama | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA FERNANDO ZAMUDIO ZUÑIGA et al. | Toxicon | 2023 |



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|----|---|--|---------------------------------------|------|
| 6 | Proteomic analysis of the biomineralization of spherical Brushite produced from a wheat bran aqueous extract | SERGIO MANUEL ENCARNACION GUEVARA MAGDALENA HERNANDEZ ORTIZ Carreño-Márquez I.J.A. et al. | Food Bioscience | 2023 |
| 7 | Differential Protein Expression of <i>Taenia crassiceps</i> ORF Strain in the Murine Cysticercosis Model Using Resistant (C57BL/6) Mice | LUCIA JIMENEZ GARCIA Mariana Diazzaagoza MAGDALENA HERNANDEZ ORTIZ et al. | Pathogens | 2023 |
| 8 | Proteomic analysis reveals the metabolic versatility of <i>Amycolatopsis</i> sp. BX17: A strain native from milpa agroecosystem soil | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA Palafox-Félix M. et al. | JOURNAL OF PROTEOMICS | 2022 |
| 9 | p Curcumin Reverts the Protein Differential Expression in the Liver of the Diabetic Obese db/db Mice | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA VICTORIANO PEREZ VAZQUEZ et al. | Current Proteomics | 2022 |
| 10 | Curcumin prevents proteins expression changes of oxidative phosphorylation, cellular stress response, and lipid metabolism proteins in liver of mice fed a high-fructose diet | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA VICTORIANO PEREZ VAZQUEZ et al. | JOURNAL OF PROTEOMICS | 2022 |
| 11 | Curcumin Prevents the Glycation of Tricarboxylic Acid Cycle and Cell Respiration Proteins in the Heart of Mice Fed with a High-fructose Diet | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA VICTORIANO PEREZ VAZQUEZ et al. | CURRENT PHARMACEUTICAL DESIGN | 2022 |
| 12 | Proteomic analysis of <i>Burkholderia zhejiangensis</i> CEIB S4-3 during the methyl parathion degradation process | EFRAIN TOVAR SANCHEZ SERGIO MANUEL ENCARNACION GUEVARA MAGDALENA HERNANDEZ ORTIZ et al. | PESTICIDE BIOCHEMISTRY AND PHYSIOLOGY | 2022 |
| 13 | PROTEOMICS AND BIOINFORMATICS TOOLS REVEAL ALLERGENIC COMPOSITION OF PARKINSONIA MICROPHYLLA POLLEN | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA LUIS MANUEL TERAN JUAREZ et al. | AVANCES EN CIENCIAS E INGENIERIA | 2022 |
| 14 | Effect of HPV 16 E6 Oncoprotein Variants on the Alterations of the Proteome of C33A Cells | SERGIO MANUEL ENCARNACION GUEVARA MAGDALENA HERNANDEZ ORTIZ Garibay-Cerdanres O.L. et al. | CANCER GENOMICS & PROTEOMICS | 2021 |
| 15 | Analysis of the immunomodulatory activity of excreted and secreted products from <i>Haemonchus placei</i> transition infective larvae (xL(3)) | SERGIO MANUEL ENCARNACION GUEVARA MAGDALENA HERNANDEZ ORTIZ Jocelyn Maza-Lopez et al. | VETERINARY PARASITOLOGY | 2021 |



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|----|--|---|--|------|
| 16 | Interaction of the human intestinal microbiota with the release of bound phenolic compounds in chickpea (<i>Cicer arietinum</i> L.) | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA Liliana Maribel Perez-Perez et al. | INTERNATIONAL JOURNAL OF FOOD SCIENCE AND TECHNOLOGY | 2021 |
| 17 | Curcumin as a regulator of protein expression in the liver of obese diabetic db/db mice | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA O. G. Silva Gaona et al. | FEBS OPEN BIO | 2019 |
| 18 | Protein Expression Profile of Twenty-Week-Old Diabetic db/db and Non-Diabetic Mice Livers: A Proteomic and Bioinformatic Analysis | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA Juan Manuel Guzman-Flores et al. | Biomolecules | 2018 |
| 19 | Displacers improve the selectivity of phosphopeptide enrichment by metal oxide affinity chromatography | SANDRA CONTRERAS MARTINEZ MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA et al. | BOLETIN MEDICO DEL HOSPITAL INFANTIL DE MEXICO | 2017 |
| 20 | Antifungal performance of extracellular chitinases and culture supernatants of <i>Streptomyces galilaeus</i> CFFSUR-B12 against <i>Mycosphaerella fijiensis</i> Morelet | MICHAEL FREDERICK DUNN MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA et al. | WORLD JOURNAL OF MICROBIOLOGY & BIOTECHNOLOGY | 2016 |
| 21 | Proteomic and morphometric study of the in vitro interaction between <i>Oncidium sphacelatum</i> Lindl. (Orchidaceae) and <i>Thanatephorus</i> sp RG26 (Ceratobasidiaceae) | SERGIO MANUEL ENCARNACION GUEVARA MAGDALENA HERNANDEZ ORTIZ Yadira Lopez-Chavez, Mariana et al. | Mycorrhiza | 2016 |
| 22 | Transcriptomic analysis of the process of biofilm formation in <i>Rhizobium etli</i> CFN42 | MARIA DEL CARMEN VARGAS LAGUNAS MAGDALENA HERNANDEZ ORTIZ ERNESTO PEREZ RUEDA et al. | ARCHIVES OF MICROBIOLOGY | 2016 |
| 23 | Comparative Proteomics of Liver of the Diabetic Obese db/db and Non-Obese or Diabetic Mice | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA Guzman-Flores, Juan M. et al. | Current Proteomics | 2016 |
| 24 | Proteomic identification of fucosylated haptoglobin alpha isoforms in ascitic fluids and its localization in ovarian carcinoma tissues from Mexican patients | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA Lilia Garibay-Cerdanares, Olga et al. | JOURNAL OF OVARIAN RESEARCH | 2014 |
| 25 | Differential proteomic analysis of the pancreas of diabetic db/db mice reveals the proteins involved in the development of complications of diabetes mellitus | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA Perez-Vazquez, Victoriano et al. | INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES | 2014 |



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|----|---|--|----------------------------|------|
| 26 | Interspecies competition triggers virulence and mutability in <i>Candida albicans</i> - <i>Pseudomonas aeruginosa</i> mixed biofilms | Abigail Trejo Hernandez Andres Andrade Dominguez MAGDALENA HERNANDEZ ORTIZ et al. | ISME JOURNAL | 2014 |
| 27 | Proteomic analysis of chloroplast biogenesis (clb) mutants uncovers novel proteins potentially involved in the development of <i>Arabidopsis thaliana</i> chloroplasts | L. A. de Luna Valdez A. G. Martinez Batallar MAGDALENA HERNANDEZ ORTIZ et al. | JOURNAL OF PROTEOMICS | 2014 |
| 28 | Interspecies competition triggers virulence and mutability in <i>Candida albicans</i> - <i>Pseudomonas aeruginosa</i> mixed biofilms | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA Trejo-Hernández A. et al. | ISME JOURNAL | 2014 |
| 29 | Data for a comparative proteomic analysis of chloroplast biogenesis (clb) mutants | MAGDALENA HERNANDEZ ORTIZ SERGIO MANUEL ENCARNACION GUEVARA GUADALUPE MARICELA RAMOS VEGA et al. | Data in Brief | 2014 |
| 30 | Erratum: Analysis and prediction of pathways in HeLa cells by integrating biological levels of organization with systems-biology approaches (PLOS ONE (2013) 8:7 DOI: 10.1371/annotation/b212d5e5-7c4b-48c1-80ff-ba0d4ce87cfcc) | MAGDALENA HERNANDEZ ORTIZ SANDRA CONTRERAS MARTINEZ SERGIO MANUEL ENCARNACION GUEVARA et al. | PLOS ONE | 2013 |
| 31 | Analysis and Prediction of Pathways in HeLa Cells by Integrating Biological Levels of Organization with Systems-Biology Approaches | Juan Carlos Higareda Almaraz Ilse A. Valtierra Gutierrez MAGDALENA HERNANDEZ ORTIZ et al. | PLOS ONE | 2013 |
| 32 | A proteomic approach of pediatric astrocytomas: MiRNAs and network insight | Ruth Ruiz Esparza Garrido MAGDALENA HERNANDEZ ORTIZ Angel G. Martinez Batallar et al. | JOURNAL OF PROTEOMICS | 2013 |
| 33 | Functional Modules, Structural Topology, and Optimal Activity in Metabolic Networks | OSBALDO RESENDIS ANTONIO MAGDALENA HERNANDEZ ORTIZ Yolanda Mora et al. | PLOS COMPUTATIONAL BIOLOGY | 2012 |
| 34 | Proteomic patterns of cervical cancer cell lines, a network perspective | Juan Carlos Higareda Almaraz Maria del Rocio Enriquez Gasca MAGDALENA HERNANDEZ ORTIZ et al. | BMC SYSTEMS BIOLOGY | 2011 |
| 35 | Systems biology of bacterial nitrogen fixation: High-throughput technology and its integrative description with constraint-based modeling | OSBALDO RESENDIS ANTONIO MAGDALENA HERNANDEZ ORTIZ Emmanuel Salazar et al. | BMC SYSTEMS BIOLOGY | 2011 |

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|----|---|---|--|------|
| 36 | Functional genomics in actinobacteria metabolism [Genómica funcional de rizobiaceas] | SERGIO MANUEL ENCARNACION GUEVARA MAGDALENA HERNANDEZ ORTIZ SANDRA CONTRERAS MARTINEZ et al. | Revista Latinoamericana de Microbiología | 2006 |
| 37 | Comparative proteomics using 2-D gel electrophoresis and mass spectrometry as tools to dissect stimulons and regulons in bacteria with sequenced or partially sequenced genomes | SERGIO MANUEL ENCARNACION GUEVARA MAGDALENA HERNANDEZ ORTIZ SANDRA CONTRERAS MARTINEZ et al. | BIOL PROCED ONLINE | 2005 |
| 38 | Proteome analysis of aerobic and fermentative metabolism in Rhizobium etli CE3 | SERGIO MANUEL ENCARNACION GUEVARA MICHAEL FREDERICK DUNN MAGDALENA HERNANDEZ ORTIZ et al. | Proteomics | 2003 |
| 39 | Two bean cell wall proteins more abundant during water deficit are high in proline and interact with a plasma membrane protein | BLANCA INES GARCIA GOMEZ FRANCISCO CAMPOS ALVAREZ MAGDALENA HERNANDEZ ORTIZ et al. | PLANT JOURNAL | 2000 |
| 40 | Transformation of pickling cucumber with chitinase-encoding genes using Agrobacterium tumefaciens | MAGDALENA HERNANDEZ ORTIZ Raharjo S.H.T. Zhang Y.Y. et al. | PLANT CELL REPORTS | 1996 |
| 41 | Cell-wall proteins induced by water deficit in bean (<i>Phaseolus vulgaris</i> L.) seedlings | ALEJANDRA ALICIA COVARRUBIAS ROBLES MAGDALENA HERNANDEZ ORTIZ JOSE LUIS REYES TABOADA et al. | PLANT PHYSIOLOGY | 1995 |



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MAGDALENA HERNANDEZ ORTIZ

LIBROS Y CAPITULOS CON ISBN

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

MAGDALENA HERNANDEZ ORTIZ



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MAGDALENA HERNANDEZ ORTIZ

PARTICIPACIÓN EN PROYECTOS

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

MAGDALENA HERNANDEZ ORTIZ



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MAGDALENA HERNANDEZ ORTIZ

PARTICIPACIÓN EN TESIS

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

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MAGDALENA HERNANDEZ ORTIZ

DOCENCIA IMPARTIDA

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

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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 |