



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



LUIS JOSE DELAYE ARREDONDO

Datos Generales

Nombre: LUIS JOSE DELAYE ARREDONDO

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 11 años

Nombramientos

Último: PROFESOR ASIGNATURA A TP No Definitivo

Facultad de Ciencias

Desde 16-12-2009 hasta 30-09-2010

Estímulos, programas, premios y reconocimientos

SNI II 2016 - 2023

SNI I 2009 - 2015

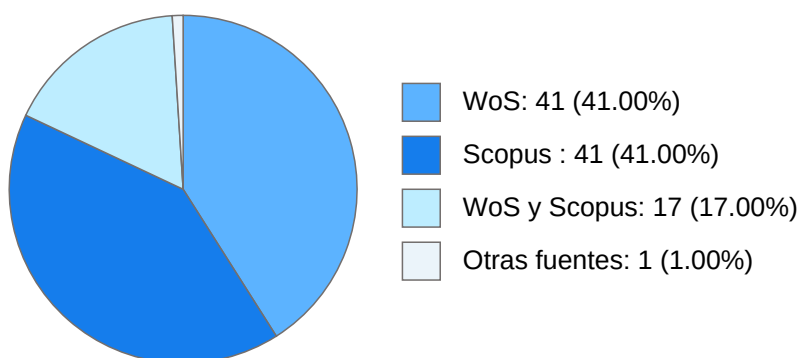
SNI C 2008

PRIDE C - 2010

LUIS JOSE DELAYE ARREDONDO

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Yeast diversity in open agave fermentations across Mexico	JESUS ABRAHAM AVELAR RIVAS FRANCISCO ELIZANDRO MOLINA FREANER LUIS JOSE DELAYE ARREDONDO et al.	Yeast	2024
2	Emergence and widespread circulation of a recombinant SARS-CoV-2 lineage in North America	LUIS JOSE DELAYE ARREDONDO Gutierrez B. Castelán Sánchez H.G. et al.	CELL HOST & MICROBE	2022
3	An Upgrade on the Surveillance System of SARS-CoV-2: Deployment of New Methods for Genetic Inspection	LUIS JOSE DELAYE ARREDONDO OCTAVIO PATRICIO GARCIA GONZALEZ Muñoz-Valle J.F. et al.	INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES	2022
4	Translation Comes First: Ancient and Convergent Selection of Codon Usage Bias Across Prokaryotic Genomes	LUIS JOSE DELAYE ARREDONDO González-Serrano F. Abreu-Goodger C.	JOURNAL OF MOLECULAR EVOLUTION	2022
5	Chromosome-Level Genome Assembly of the American Cranberry (<i>Vaccinium macrocarpon</i> Ait.) and Its Wild Relative <i>Vaccinium microcarpum</i>	LUIS JOSE DELAYE ARREDONDO Díaz-García L. García-Ortega L.F. et al.	Frontiers in Plant Science	2021
6	Driven progressive evolution of genome sequence complexity in Cyanobacteria	LUIS JOSE DELAYE ARREDONDO Moya A. Oliver J.L. et al.	SCIENTIFIC REPORTS	2020

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7	Inferring Horizontal Gene Transfer with DarkHorse, Phylomizer, and ETE Toolkits	LUIS JOSE DELAYE ARREDONDO Vargas C. Latorre A. et al.	Methods in Molecular Biology	2020
8	Changes in the GN/GC of the M segment show positive selection and recombination of one aggressive isolate and two mild isolates of tomato spotted wilt virus	LUIS JOSE DELAYE ARREDONDO González-Pacheco B.E. Ochoa D. et al.	Virus Genes	2020
9	Evolution of Base Excision Repair in Entamoeba histolytica is shaped by gene loss, gene duplication, and lateral gene transfer	LUIS JOSE DELAYE ARREDONDO Trasviña-Arenas C.H. David S.S. et al.	Dna Repair	2019
10	Transcriptome analysis of bolting in A. tequilana reveals roles for florigen, MADS, fructans and gibberellins	LUIS JOSE DELAYE ARREDONDO De Dios E.A. Simpson J.	Bmc Genomics	2019
11	Machine-Learning Classification Suggests That Many Alphaproteobacterial Prophages May Instead Be Gene Transfer Agents	LUIS JOSE DELAYE ARREDONDO Kogay R. Neely T.B. et al.	GENOME BIOLOGY AND EVOLUTION	2019
12	Emergence as an outbreak of the HIV-1 CRF19_cpx variant in treatment-naïve patients in southern Spain	LUIS JOSE DELAYE ARREDONDO González-Domenech C.M. Viciano I. et al.	PLOS ONE	2018
13	Testing the domino theory of gene loss in Buchnera aphidicola: The relevance of epistatic interactions	LUIS JOSE DELAYE ARREDONDO Martínez-Cano D.J. Bor G. et al.	LIFE-BASEL	2018
14	SAREL: Sequence alignment by radial evaluation of local interactions	LUIS JOSE DELAYE ARREDONDO Ortega R. Chavoya A. et al.	CURRENT BIOINFORMATICS	2018
15	Evidence of the Red-Queen hypothesis from accelerated rates of evolution of genes involved in biotic interactions in Pneumocystis	LUIS JOSE DELAYE ARREDONDO Ruiz-Ruiz S. Calderon E. et al.	GENOME BIOLOGY AND EVOLUTION	2018
16	Identification of effector-like proteins in Trichoderma spp. and role of a hydrophobin in the plant-fungus interaction and mycoparasitism	LUIS JOSE DELAYE ARREDONDO Guzmán-Guzmán, P. Alemán-Duarte, M.I. et al.	BMC GENETICS	2017
17	Increased rates of protein evolution and asymmetric deceleration after the whole-genome duplication in yeasts	LUIS JOSE DELAYE ARREDONDO Ascencio, D. Ochoa, S. et al.	BMC EVOLUTIONARY BIOLOGY	2017
18	Organellar Genomes from a ~5,000-Year-old archaeological maize sample are closely related to NB genotype	LUIS JOSE DELAYE ARREDONDO Pérez-Zamorano, B. Vallebuena-Estrada, M. et al.	GENOME BIOLOGY AND EVOLUTION	2017

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19	Plant Proteins Are Smaller Because They Are Encoded by Fewer Exons than Animal Proteins	LUIS JOSE DELAYE ARREDONDO Ramírez-Sánchez, O. Pérez-Rodríguez, P. et al.	Genomics Proteomics Bioinformatics	2016
20	Genome and transcriptome analysis of the Mesoamerican common bean and the role of gene duplications in establishing tissue and temporal specialization of genes	ALFONSO OCTAVIO DELGADO SALINAS LUIS JOSE DELAYE ARREDONDO FEDERICO ESTEBAN SANCHEZ RODRIGUEZ et al.	GENOME BIOLOGY	2016
21	The genomes of three uneven siblings: Footprints of the lifestyles of three trichoderma species	LUIS JOSE DELAYE ARREDONDO Schmoll M. Dattenbock C. et al.	MICROBIOLOGY AND MOLECULAR BIOLOGY REVIEWS	2016
22	Identification of Xenologs and Their Characteristic Low Expression Levels in the Cyanobacterium Synechococcus elongatus	LUIS JOSE DELAYE ARREDONDO Álvarez-Canales G. Arellano-Álvarez G. et al.	JOURNAL OF MOLECULAR EVOLUTION	2015
23	Evolution of small prokaryotic genomes	MARIA ESPERANZA MARTINEZ ROMERO LUIS JOSE DELAYE ARREDONDO MartinezCano, David J. et al.	FRONTIERS IN MICROBIOLOGY	2015
24	Species in Wolbachia? Proposal for the designation of 'Candidatus Wolbachia bourtzisii', 'Candidatus Wolbachia onchocercicola', 'Candidatus Wolbachia blaxteri', 'Candidatus Wolbachia brugii', 'Candidatus Wolbachia taylori', 'Candidatus Wolbachia collembolesicola' and 'Candidatus Wolbachia multihospitum' for the different species within Wolbachia supergroups	Shamayim T. RamirezPuebla LUIS EDUARDO SERVIN GARCIDUEÑAS Ernesto OrmenoOrrillo et al.	SYSTEMATIC AND APPLIED MICROBIOLOGY	2015
25	Plasmid conjugation from proteobacteria as evidence for the origin of xenologous genes in cyanobacteria	LUIS JOSE DELAYE ARREDONDO Encinas, David Pilar Garcillan-Barcia, M. et al.	JOURNAL OF BACTERIOLOGY	2014
26	Low complexity regions (LCRs) contribute to the hypervariability of the HIV-1 gp120 protein	ANA MARIA VELASCO VELASCO ARTURO CARLOS II BECERRA BRACHO RICARDO HERNANDEZ MORALES et al.	JOURNAL OF THEORETICAL BIOLOGY	2013

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27	Mathematical modeling and comparison of protein size distribution in different plant, animal, fungal and microbial species reveals a negative correlation between protein size and protein number, thus providing insight into the evolution of proteomes	LUIS JOSE DELAYE ARREDONDO Tiessen A. Pérez-Rodríguez P.	BMC Research Notes	2012
28	Cenancestor, the Last Universal Common Ancestor	LUIS JOSE DELAYE ARREDONDO ARTURO CARLOS II BECERRA BRACHO	Evolution: Education and Outreach	2012
29	Blueprint for a minimal photoautotrophic cell: conserved and variable genes in <i>Synechococcus elongatus</i> PCC 7942	LUIS JOSE DELAYE ARREDONDO Gonzalez-Domenech, Carmen M. Garcillan-Barcia, Maria P. et al.	Bmc Genomics	2011
30	Probable presence of an ubiquitous cryptic mitochondrial gene on the antisense strand of the cytochrome oxidase I gene	LUIS JOSE DELAYE ARREDONDO Faure, Eric Tribolo, Sandra et al.	BIOL DIRECT	2011
31	Evolution of reduced prokaryotic genomes and the minimal cell concept: Variations on a theme	LUIS JOSE DELAYE ARREDONDO Moya, Andres	Bioessays	2010
32	Composition-based methods to identify horizontal gene transfer.	LUIS JOSE DELAYE ARREDONDO ANTONIO EUSEBIO LAZCANO ARAUJO ARTURO CARLOS II BECERRA BRACHO et al.	Methods in Molecular Biology	2009
33	A Primitive RNA Transition Scenario Without Cytosine and with Peptides Interacting with RNA: Implications for the Origin of the Genetic Code	LUIS JOSE DELAYE ARREDONDO ARTURO CARLOS II BECERRA BRACHO GUSTAVO CARLOS MARTINEZ MEKLER et al.	ORIGINS OF LIFE AND EVOLUTION OF BIOSPHERES	2009
34	A Comparative Analyses of Different Methodologies Employed for the Reconstruction of the Gene Complement of the Last Common Ancestor	SARA ERNESTINA ISLAS GRACIANO ARTURO CARLOS II BECERRA BRACHO LUIS JOSE DELAYE ARREDONDO et al.	ORIGINS OF LIFE AND EVOLUTION OF BIOSPHERES	2009
35	Low Complexity in Regions in Lentiviral Proteins	ANA MARIA VELASCO VELASCO LUIS JOSE DELAYE ARREDONDO ARTURO CARLOS II BECERRA BRACHO et al.	ORIGINS OF LIFE AND EVOLUTION OF BIOSPHERES	2009
36	The origin of a novel gene through overprinting in <i>Escherichia coli</i>	LUIS JOSE DELAYE ARREDONDO ANTONIO EUSEBIO LAZCANO ARAUJO ARTURO CARLOS II BECERRA BRACHO et al.	BMC EVOLUTIONARY BIOLOGY	2008
37	Massive presence of insertion sequences in the genome of SOPE, the primary endosymbiont of the rice weevil <i>Sitophilus oryzae</i>	LUIS JOSE DELAYE ARREDONDO Gil, Rosario Belda, Eugeni et al.	INTERNATIONAL MICROBIOLOGY	2008

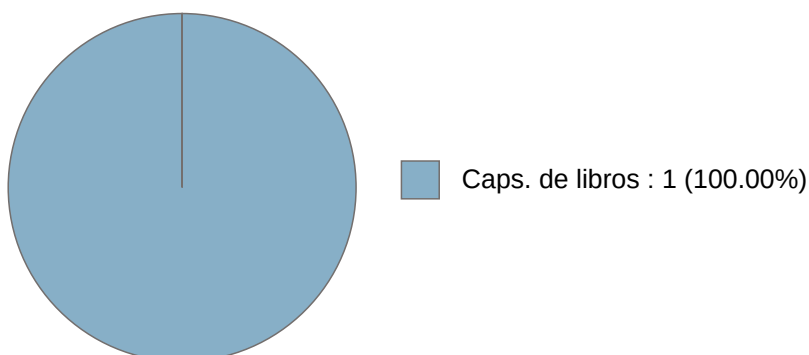
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38	Loss of DNA: A plausible molecular level explanation for crustacean neuropeptide gene evolution	LUIS JOSE DELAYE ARREDONDO ARTURO CARLOS II BECERRA BRACHO Martínez-Pérez F. et al.	Peptides	2007
39	Molecular evolution of peptide methionine sulfoxide reductases (MsrA and MsrB): On the early development of a mechanism that protects against oxidative damage	LUIS JOSE DELAYE ARREDONDO ARTURO CARLOS II BECERRA BRACHO ANTONIO EUSEBIO LAZCANO ARAUJO et al.	JOURNAL OF MOLECULAR EVOLUTION	2007
40	The very early stages of biological evolution and the nature of the last common ancestor of the three major cell domains	ARTURO CARLOS II BECERRA BRACHO LUIS JOSE DELAYE ARREDONDO ANTONIO EUSEBIO LAZCANO ARAUJO et al.	Annual Review of Ecology Evolution and Systematics	2007
41	Protein disulfide oxidoreductases and the evolution of thermophily: Was the last common ancestor a heat-loving microbe?	ARTURO CARLOS II BECERRA BRACHO LUIS JOSE DELAYE ARREDONDO ANTONIO EUSEBIO LAZCANO ARAUJO et al.	JOURNAL OF MOLECULAR EVOLUTION	2007
42	Prebiological evolution and the physics of the origin of life	LUIS JOSE DELAYE ARREDONDO ANTONIO EUSEBIO LAZCANO ARAUJO	PHYSICS OF LIFE REVIEWS	2005
43	The last common ancestor: What's in a name?	LUIS JOSE DELAYE ARREDONDO ARTURO CARLOS II BECERRA BRACHO ANTONIO EUSEBIO LAZCANO ARAUJO	ORIGINS OF LIFE AND EVOLUTION OF BIOSPHERES	2005
44	Hyperthermophily and the origin and earliest evolution of life	ANA MARIA VELASCO VELASCO ARTURO CARLOS II BECERRA BRACHO LUIS JOSE DELAYE ARREDONDO et al.	INTERNATIONAL MICROBIOLOGY	2003

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Alarmones	ANTONIO EUSEBIO LAZCANO ARAUJO ARTURO CARLOS II BECERRA BRACHO LUIS JOSE DELAYE ARREDONDO	Capítulo de un Libro	2011	9780262015394



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PARTICIPACIÓN EN PROYECTOS

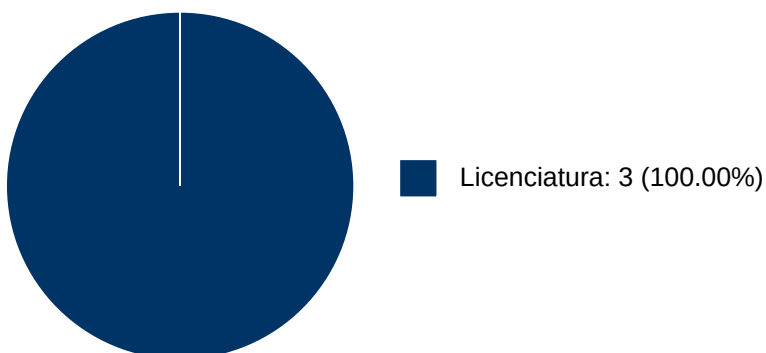
No se encuentran registros en la base de datos de SISEPRO asociados a:

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PARTICIPACIÓN EN TESIS

Histórico de Colaboraciones en Tesis

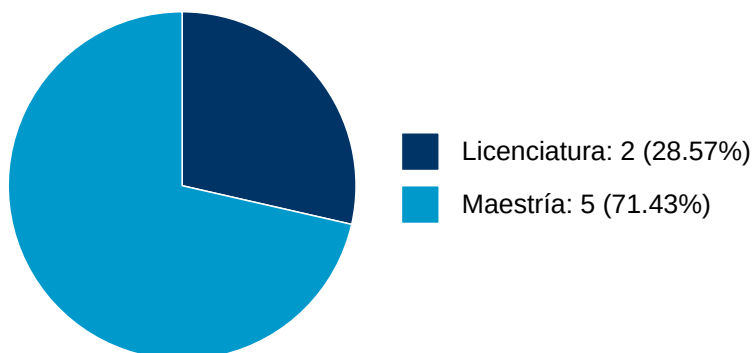


#	Título del documento	Tipo de Tesis	Sinodales	Autores	Entidad	Año
1	Estudio de las relaciones evolutivas entre archaeas, bacterias y eucariontes, una perspectiva desde la genómica comparada	Tesis de Licenciatura	LUIS JOSE DELAYE ARREDONDO,	Álvarez Alvarado, Jonathan,	Facultad de Ciencias,	2009
2	Perspectiva estructural para la comparación de genomas completos	Tesis de Licenciatura	LUIS JOSE DELAYE ARREDONDO,	Sierra Menchaca, Claudia,	Facultad de Ciencias,	2008
3	El análisis evolutivo de la síntesis de novo de 5-fosforribosil, 1-pirofosfato	Tesis de Licenciatura	LUIS JOSE DELAYE ARREDONDO,	Cruz Espindola, Miguel Angel,		2007

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	TRABAJO DE INVESTIGACIÓN IV	Facultad de Ciencias	1	2017-2
2	Maestría	TRABAJO DE INVESTIGACION III-393908	Facultad de Ciencias	1	2017-1
3	Maestría	TRABAJO DE INVESTIGACION II	Facultad de Ciencias	1	2016-2
4	Maestría	TRABAJO DE INVESTIGACION I	Facultad de Ciencias	1	2016-1
5	Maestría	TRABAJO DE INVESTIGACION I	Facultad de Ciencias	1	2016-1
6	Licenciatura	ORIGEN DE LA VIDA	Facultad de Ciencias	38	2010-2
7	Licenciatura	ORIGEN DE LA VIDA	Facultad de Ciencias	53	2010-1



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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