



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



LETICIA VEGA ALVARADO

Datos Generales

Nombre: LETICIA VEGA ALVARADO

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 28 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Instituto de Ciencias Aplicadas y Tecnología
Desde 16-04-2018

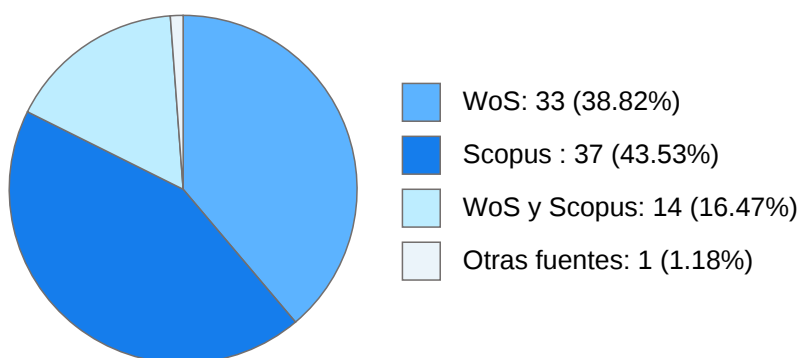
Estímulos, programas, premios y reconocimientos

SNI I 2021 - VIGENTE
SNI I - 2016
PRIDE C - 2024
ESPECIALES FERNANDO ALBA ANDRADE 2021

LETICIA VEGA ALVARADO

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	Biological Activity of Biomarkers Associated With Metastasis in Osteosarcoma Cell Lines	LUIS CARDENAS TORRES VERONICA JIMENEZ JACINTO LETICIA VEGA ALVARADO et al.	CANCER MEDICINE	2025
2	The role of CsrA in controls the extracellular electron transfer and biofilm production in Geobacter sulfurreducens	LETICIA VEGA ALVARADO Alberto Hernandez-Eligio Xinying Liu et al.	FRONTIERS IN MICROBIOLOGY	2025
3	Transcriptome analysis of the spider Phonotimpus pennimani reveals novel toxin transcripts	LETICIA VEGA ALVARADO GRISELDA KARINA GUILLEN NAVARRO VERONICA JIMENEZ JACINTO et al.	Journal of Venomous Animals and Toxins Including Tropical Diseases	2023
4	Global Gene Expression of Post-Senescent Telomerase-Negative Strain of <i>Ustilago maydis</i>	LETICIA VEGA ALVARADO CARLOS VAZQUEZ CRUZ Sanpedro-Luna J.A. et al.	Journal Of Fungi	2023
5	Global transcriptional analysis of Geobacter sulfurreducens gsu1771 mutant biofilm grown on two different support structures	LETICIA VEGA ALVARADO GUILLERMO ANTONIO HUERTA MIRANDA KATY JUAREZ LOPEZ et al.	PLOS ONE	2023

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6	Telomerase RNA plays a major role in the completion of the life cycle in Ustilago maydis and shares conserved domains with other Ustilaginales	LETICIA VEGA ALVARADO CARLOS VAZQUEZ CRUZ Sanpedro-Luna J.A. et al.	PLOS ONE	2023
7	Sediment Microbial Fuel Cell Power Boosted by Natural Chitin Degradation and Oxygen Reduction Electrocatalysts	LETICIA VEGA ALVARADO KATY JUAREZ LOPEZ Victor Salgado-Davalos et al.	Clean-Soil Air Water	2021
8	Specialization of the Reiterated Copies of the Heterodimeric Integration Host Factor Genes in Geobacter sulfurreducens	MIGUEL ANGEL ANDRADE PADILLA JOSE ALBERTO HERNANDEZ ELIGIO LETICIA VEGA ALVARADO et al.	FRONTIERS IN MICROBIOLOGY	2021
9	Transcriptome Analysis Reveals Cr(VI) Adaptation Mechanisms in Klebsiella sp. Strain AqSCr	LETICIA VEGA ALVARADO JUAN ENRIQUE MORETT SANCHEZ KATY JUAREZ LOPEZ et al.	FRONTIERS IN MICROBIOLOGY	2021
10	Images Analysis Method for the Detection of Chagas Parasite in Blood Image	LETICIA VEGA ALVARADO ALBERTO CABALLERO RUIZ LEOPOLDO RUIZ HUERTA et al.	Steam-H: Science, Technology, Engineering, Agriculture, Mathematics And Health	2020
11	Bacterial diversity in surface sediments from the continental shelf and slope of the North West gulf of Mexico and the presence of hydrocarbon degrading bacteria	LETICIA VEGA ALVARADO BLANCA ITZELT TABOADA RAMIREZ ALEJANDRO ESTRADAS ROMERO et al.	MARINE POLLUTION BULLETIN	2020
12	Global transcriptional analysis of Geobacter sulfurreducens under palladium reducing conditions reveals new key cytochromes involved	JOSE ALBERTO HERNANDEZ ELIGIO AURORA MARGARITA PAT ESPADAS LETICIA VEGA ALVARADO et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2020
13	Integrative Differential Expression Analysis for Multiple EXperiments (IDEAMEX): A Web Server Tool for Integrated RNA-Seq Data Analysis	VERONICA JIMENEZ JACINTO FIDEL ALEJANDRO SANCHEZ FLORES LETICIA VEGA ALVARADO	Frontiers in Genetics	2019
14	Comparative and functional genomics of the protozoan parasite Babesia divergens highlighting the invasion and egress processes	KAREL JOHAN ESTRADA GUERRA RICARDO ALFREDO GRANDE CANO VERONICA JIMENEZ JACINTO et al.	PLOS NEGLECTED TROPICAL DISEASES	2019

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15	Functional categorization of de novo transcriptome assembly of Vanilla planifolia Jacks. potentially points to a translational regulation during early stages of infection by Fusarium oxysporum f. sp. vanillae	MARCO TULIO SOLANO DE LA CRUZ VERONICA JIMENEZ JACINTO LETICIA VEGA ALVARADO et al.	Bmc Genomics	2019
16	Anaerobic Methane Oxidation Driven by Microbial Reduction of Natural Organic Matter in a Tropical Wetland	ALEJANDRA PRIETO DAVO LETICIA VEGA ALVARADO KATY JUAREZ LOPEZ et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2017
17	Global transcriptional start site mapping in Geobacter sulfurreducens during growth with two different electron acceptors	VERONICA JIMENEZ JACINTO LETICIA VEGA ALVARADO MARICELA OLVERA RODRIGUEZ et al.	FEMS MICROBIOLOGY LETTERS	2016
18	An enriched environment reduces inflammation, increases BDNF and modifies microRNA levels in the hypothalamus of obese mice	VERONICA JIMENEZ JACINTO LETICIA VEGA ALVARADO FIDEL ALEJANDRO SANCHEZ FLORES et al.	JOURNAL OF NEUROCHEMISTRY	2015
19	Correction for Vega-Alvarado et al., High-Quality Draft Genome Sequence of Candida apicola NRRL Y-50540	LETICIA VEGA ALVARADO RICARDO ALFREDO GRANDE CANO FIDEL ALEJANDRO SANCHEZ FLORES et al.	Genome Announcements	2015
20	High-quality draft genome sequence of Candida apicola NRRL Y-50540	LETICIA VEGA ALVARADO RICARDO ALFREDO GRANDE CANO FIDEL ALEJANDRO SANCHEZ FLORES et al.	Microbiology Resource Announcements	2015
21	Genome sequence of Torulaspora delbrueckii NRRL Y-50541, isolated from mezcal fermentation	LETICIA VEGA ALVARADO RICARDO ALFREDO GRANDE CANO FIDEL ALEJANDRO SANCHEZ FLORES et al.	Microbiology Resource Announcements	2015
22	Correction for Vega-Alvarado et al., High-Quality Draft Genome Sequence of Candida apicola NRRL Y-50540 (vol 3, e00437-15, 2015)	LETICIA VEGA ALVARADO RICARDO ALFREDO GRANDE CANO FIDEL ALEJANDRO SANCHEZ FLORES et al.	Microbiology Resource Announcements	2015
23	A Tipicity Concept for Data Analysis and Its Application to Cleft Lip and Palate	LETICIA VEGA ALVARADO Ortíz-Posadas M.R.	Lecture Notes in Computer Science	2014
24	RegulonDB v8.0: Omics data sets, evolutionary conservation, regulatory phrases, cross-validated gold standards and more	HELADIA SALGADO OSORIO Martin Peralta Gil MA. DEL SOCORRO GAMA CASTRO et al.	NUCLEIC ACIDS RESEARCH	2013

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25	Enhancement of laminar mixing in stirred vessel using geometrical perturbations	BLANCA ITZELT TABOADA RAMIREZ LETICIA VEGA ALVARADO JOSE ROBERTO ZENIT CAMACHO et al.	Journal Of Applied Research And Technology	2012
26	RegulonDB version 7.0: Transcriptional regulation of Escherichia coli K-12 integrated within genetic sensory response units (Gensor Units)	MA. DEL SOCORRO GAMA CASTRO HELADIA SALGADO OSORIO Martin Peralta Gil et al.	NUCLEIC ACIDS RESEARCH	2011
27	Image Analysis Method for the Measurement of Mixing Times in Stirred Vessels	LETICIA VEGA ALVARADO BLANCA ITZELT TABOADA RAMIREZ Antonio Hidalgo Millan et al.	CHEMICAL ENGINEERING & TECHNOLOGY	2011
28	A mathematical function to evaluate surgical complexity of cleft lip and palate	LETICIA VEGA ALVARADO Ortiz-Posadas, M. R. Toni, B.	COMPUTER METHODS AND PROGRAMS IN BIOMEDICINE	2009
29	Genome-Wide Identification of Transcription Start Sites, Promoters and Transcription Factor Binding Sites in E. coli	Alfredo Mendoza Vargas LETICIA OLVERA RODRIGUEZ MARICELA OLVERA RODRIGUEZ et al.	PLOS ONE	2009
30	A comparison of image deconvolution algorithms applied to the detection of endocytic vesicles in fluorescence images of neural proteins.	LETICIA VEGA ALVARADO GABRIEL ISAAC CORKIDI BLANCO Elezgaray I. et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2007
31	Semi-automatic image analysis methodology for the segmentation of bubbles and drops in complex dispersions occurring in bioreactors	BLANCA ITZELT TABOADA RAMIREZ LETICIA VEGA ALVARADO MARIA SOLEDAD CORDOVA AGUILAR et al.	EXPERIMENTS IN FLUIDS	2006
32	Development of advanced image analysis techniques for the in situ characterization of multiphase dispersions occurring in bioreactors	LETICIA VEGA ALVARADO Larralde-Corona C.P. Brito T. et al.	JOURNAL OF BIOTECHNOLOGY	2005
33	Online sauter diameter measurement of air bubbles and oil drops in stirred bioreactors by using hough transform	LETICIA VEGA ALVARADO MARIA SOLEDAD CORDOVA AGUILAR BLANCA ITZELT TABOADA RAMIREZ et al.	Lecture Notes in Computer Science	2004
34	A similarity function to evaluate the orthodontic condition in patients with cleft lip and palate	LETICIA VEGA ALVARADO Ortiz-Posadas M.R. Toni B.	MEDICAL HYPOTHESES	2004

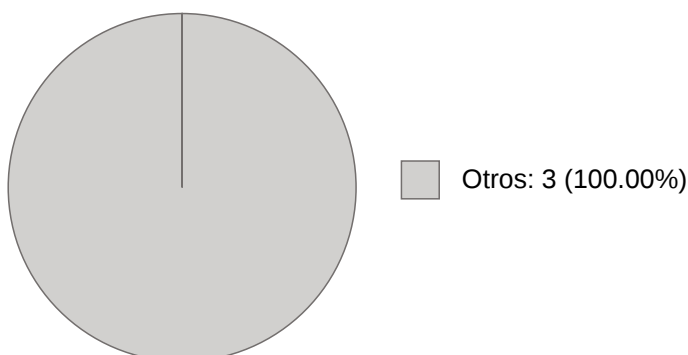
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35	Hough transform based method for air bubbles and oil drops segmentation in dispersions occurring in stirred bioreactors	LETICIA VEGA ALVARADO BLANCA ITZEL TABOADA RAMIREZ GABRIEL ISAAC CORKIDI BLANCO et al.	IEEE Engineering in Medicine and Biology Society Conference Proceedings	2003
36	Inter-chromosome texture as a feature for automatic identification of metaphase spreads	LETICIA VEGA ALVARADO JORGE ALBERTO MARQUEZ FLORES GABRIEL ISAAC CORKIDI BLANCO	MEDICAL & BIOLOGICAL ENGINEERING & COMPUTING	2002
37	A new approach to classify cleft lip and palate	LETICIA VEGA ALVARADO Ortiz-Posadas M.R. Maya-Behar J.	CLEFT PALATE-CRAN J	2001
38	Automatic metaphase finding by inter-chromosome extrema profile analysis	LETICIA VEGA ALVARADO JORGE ALBERTO MARQUEZ FLORES GABRIEL ISAAC CORKIDI BLANCO	Annual Reports Of The Research Reactor Institute, Kyoto University	2001
39	Inter-extrema profile analysis for a texture coarseness estimate in automatic metaphase finding	LETICIA VEGA ALVARADO JORGE ALBERTO MARQUEZ FLORES GABRIEL ISAAC CORKIDI BLANCO	International Symposium On Image And Signal Processing And Analysis, Ispa	2001

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN

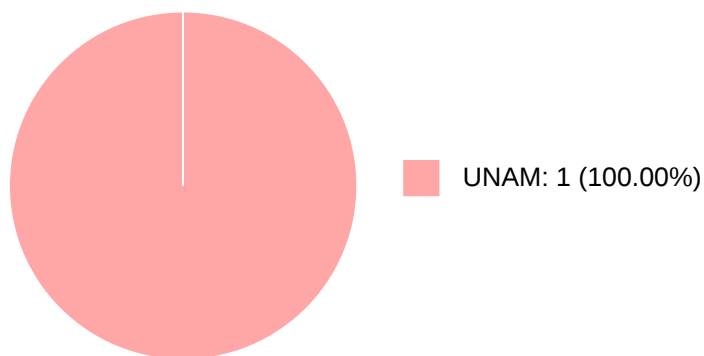


#	Título	Autores	Alcance	Año	ISBN
1	IMPACT OF THE CHAMBER SHAPE ON A SOFT ACTUATOR MECHANISM TO MIMIC THE ESOPHAGEAL SWALLOWING PROCESS	ALBERTO CABALLERO RUIZ JUAN ALEJANDRO HERNANDEZ ANGULO LETICIA VEGA ALVARADO et al.	Proceedin gs Paper	2019	9780791852149
2	Impact of the chamber shape on a soft actuator mechanism to mimic the esophageal swallowing process	ALBERTO CABALLERO RUIZ JUAN ALEJANDRO HERNANDEZ ANGULO GABRIEL ASCANIO GASCA et al.	Conferenc e Paper	2018	9780791852149
3	Model - Support material interaction inspection by X-ray computed tomography in FDM additive manufacturing process	LEOPOLDO RUIZ HUERTA ALBERTO CABALLERO RUIZ LETICIA VEGA ALVARADO et al.	Conferenc e Paper	2015	9781887706674

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PARTICIPACIÓN EN PROYECTOS

Histórico de participación en proyectos



#	Nombre	Participantes	Fuente	Fecha inicio	Fecha fin
1	IDEAMEX. Software par+5:33a análisis de expresión diferencial. V2.0.	LETICIA VEGA ALVARADO	Presupuesto de la UNAM asignado a la Dependencia	01-01-2021	12-12-2021



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PARTICIPACIÓN EN TESIS

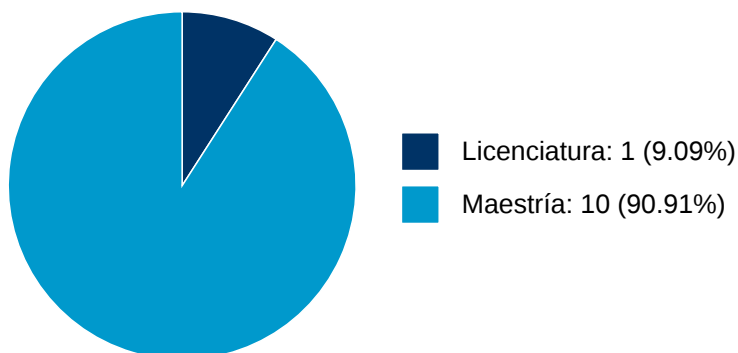
No se encuentran registros en la base de datos de TESIUNAM asociados a:

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DOCENCIA IMPARTIDA

Histórico de docencia



#	Nivel titulación	Asignatura	Entidad	Alumnos	Semestre
1	Maestría	CURSO III	Instituto de Biotecnología	4	2020-2
2	Maestría	CURSO IV	Instituto de Biotecnología	12	2020-2
3	Maestría	CURSO III	Instituto de Biotecnología	3	2019-1
4	Maestría	CURSO IV	Instituto de Biotecnología	3	2019-1
5	Maestría	CURSO III	Instituto de Biotecnología	1	2018-1
6	Maestría	CURSO IV	Instituto de Biotecnología	2	2018-1
7	Maestría	CURSO III-313184	Instituto de Biotecnología	1	2017-1
8	Maestría	CURSO IV-313435	Instituto de Biotecnología	2	2017-1
9	Maestría	CURSO III	Instituto de Biotecnología	1	2016-1
10	Maestría	CURSO IV	Instituto de Biotecnología	3	2015-1
11	Licenciatura	PROCESO DIGITAL DE IMAGENES	Facultad de Ciencias	5	2009-1



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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