



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



VIRGINIA PATRICIA BUSTOS ARCOS

Datos Generales

Nombre: VIRGINIA PATRICIA BUSTOS ARCOS

Máximo nivel de estudios: LICENCIATURA

Antigüedad académica en la UNAM: 35 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Centro de Ciencias Genómicas
Desde 01-02-2012

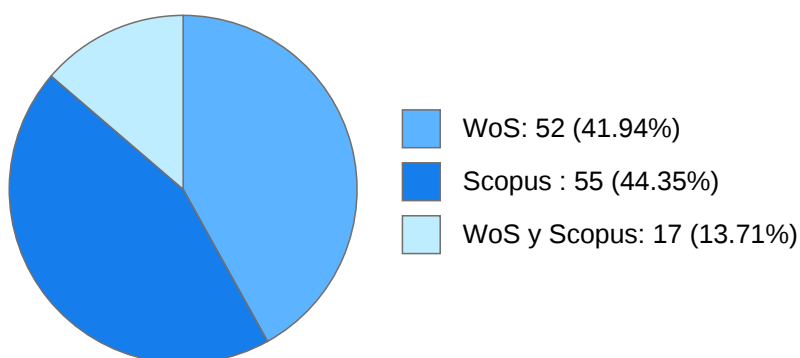
Estímulos, programas, premios y reconocimientos

SNI I 2011 - 2017
PRIDE D - 2024

VIRGINIA PATRICIA BUSTOS ARCOS

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	The rhizosphere of Phaseolus vulgaris L. cultivars hosts a similar bacterial community in local agricultural soils	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS VICTOR MANUEL GONZALEZ ZUÑIGA et al.	PLOS ONE	2025
2	Role of core lipopolysaccharide biosynthetic genes in the infection and adsorption of broad-host-range bacteriophages of Rhizobium etli.	ROSA ISELA SANTAMARIA GUTIERREZ IRMA MARTINEZ FLORES VIRGINIA PATRICIA BUSTOS ARCOS et al.	MICROBIOLOGIC AL RESEARCH	2024
3	Neutralization of alpha, gamma, and D614G SARS-CoV-2 variants by CoronaVac vaccine-induced antibodies	VIRGINIA PATRICIA BUSTOS ARCOS Fernández J. Bruneau N. et al.	JOURNAL OF MEDICAL VIROLOGY	2022
4	Hidden diversity of double-stranded DNA phages in symbiotic Rhizobium species	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS VICTOR MANUEL GONZALEZ ZUÑIGA et al.	PHILOSOPHICAL TRANSACTIONS OF THE ROYAL SOCIETY B-BIOLOGICAL SCIENCES	2022
5	Complete Genome Report of a Hydrocarbon-Degrading Sphingobium yanoikuyae S72	VIRGINIA PATRICIA BUSTOS ARCOS Lopez E.S. Elufisan T.O. et al.	APPLIED SCIENCES-BASE L	2022

VIRGINIA PATRICIA BUSTOS ARCOS

6	Novel lineages of single-stranded DNA phages that coevolved with the symbiotic bacteria Rhizobium	JANNICK EUGEN E VAN CAUWENBERGHE ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS et al.	FRONTIERS IN MICROBIOLOGY	2022
7	Defining the seasonality of respiratory syncytial virus around the world: National and subnational surveillance data from 12 countries	VIRGINIA PATRICIA BUSTOS ARCOS Staadegaard L. Caini S. et al.	INFLUENZA AND OTHER RESPIRATORY VIRUSES	2021
8	Spatial patterns in phage-Rhizobium coevolutionary interactions across regions of common bean domestication	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS Van Cauwenberghe J. et al.	ISME JOURNAL	2021
9	Correction to: Spatial patterns in phage-Rhizobium coevolutionary interactions across regions of common bean domestication (The ISME Journal, (2021), 15, 7, (2092-2106), 10.1038/s41396-021-00907-z)	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS Van Cauwenberghe J. et al.	ISME JOURNAL	2021
10	Quantitative detection of SARS-CoV-2 RNA in nasopharyngeal samples from infected patients with mild disease	VIRGINIA PATRICIA BUSTOS ARCOS Tambley C. Acevedo A. et al.	JOURNAL OF MEDICAL VIROLOGY	2021
11	Phylogenetic analysis of the first four SARS-CoV-2 cases in Chile	VIRGINIA PATRICIA BUSTOS ARCOS Castillo A.E. Parra B. et al.	JOURNAL OF MEDICAL VIROLOGY	2020
12	Geographical Distribution of Genetic Variants and Lineages of SARS-CoV-2 in Chile	VIRGINIA PATRICIA BUSTOS ARCOS Castillo A.E. Parra B. et al.	Frontiers In Public Health	2020
13	Phenotypical, Clinical, and Molecular Aspects of Adults and Children With Homozygous Familial Hypercholesterolemia in Iberoamerica	ROGELIO ALEJANDRO ALONSO MORALES VIRGINIA PATRICIA BUSTOS ARCOS CARLOS ALBERTO AGUILAR SALINAS et al.	ARTERIOSCLEROSIS THROMBOSIS AND VASCULAR BIOLOGY	2020
14	Bacillus velezensis 83 a bacterial strain from mango phyllosphere, useful for biological control and plant growth promotion	VIRGINIA PATRICIA BUSTOS ARCOS ROSA ISELA SANTAMARIA GUTIERREZ VICTOR MANUEL GONZALEZ ZUÑIGA et al.	AMB Express	2020
15	Influenza vaccine effectiveness against hospitalizations in children and older adults? Data from South America, 2013-2017. A test negative design	VIRGINIA PATRICIA BUSTOS ARCOS Sofia Arriola C. El Omeiri N. et al.	Vaccine: X	2019
16	The epidemiological signature of influenza B virus and its B/Victoria and B/Yamagata lineages in the 21st century	VIRGINIA PATRICIA BUSTOS ARCOS Caini S. Kuszniarz G. et al.	PLOS ONE	2019

VIRGINIA PATRICIA BUSTOS ARCOS

17	Heterogeneity in influenza seasonality and vaccine effectiveness in Australia, Chile, New Zealand and South Africa: Early estimates of the 2019 influenza season	VIRGINIA PATRICIA BUSTOS ARCOS Sullivan S.G. Arriola C.S. et al.	Eurosurveillance	2019
18	Whole-Genome Sequences of Five <i>Acinetobacter baumannii</i> Strains From a Child With Leukemia M2	VIRGINIA PATRICIA BUSTOS ARCOS RIGOBERTO HERNANDEZ CASTRO MIGUEL ANGEL CARLOS CEVALLOS GAOS et al.	FRONTIERS IN MICROBIOLOGY	2019
19	Phylogenomic <i>Rhizobium</i> Species Are Structured by a Continuum of Diversity and Genomic Clusters	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS PABLO VINUESA FLEISCHMANN et al.	FRONTIERS IN MICROBIOLOGY	2019
20	Complete Genome Sequence of <i>Stenotrophomonas maltophilia</i> Strain SVIA2, Isolated from Crude Oil-Contaminated Soil in Tabasco, Mexico	LUIS FERNANDO LOZANO AGUIRRE BELTRAN VIRGINIA PATRICIA BUSTOS ARCOS Temidayo Oluyomi Elufisan et al.	Microbiology Resource Announcements	2019
21	Genomic diversity of prevalent <i>Staphylococcus epidermidis</i> multidrug-resistant strains isolated from a Children's Hospital in México City in an eight-years survey	ROBERTO CABRERA CONTRERAS ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS et al.	PEERJ	2019
22	Characteristics of seasonal influenza A and B in Latin America: Influenza surveillance data from ten countries	VIRGINIA PATRICIA BUSTOS ARCOS Caini, S. Alonso, W.J. et al.	PLOS ONE	2017
23	Complete genome sequences of three <i>Rhizobium gallicum</i> symbionts associated with common bean (<i>Phaseolus vulgaris</i>)	VIRGINIA PATRICIA BUSTOS ARCOS ROSA ISELA SANTAMARIA GUTIERREZ LUIS FERNANDO LOZANO AGUIRRE BELTRAN et al.	Genome Announcements	2017
24	Complete genome sequences of eight <i>Rhizobium</i> symbionts associated with common bean (<i>Phaseolus vulgaris</i>)	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS PABLO VINUESA FLEISCHMANN et al.	Genome Announcements	2017
25	Genomic and physiological characterization of a laboratory-isolated <i>Acinetobacter schindleri</i> ACE strain that quickly and efficiently catabolizes acetate	JUAN CARLOS SIGALA ALANIS VIRGINIA PATRICIA BUSTOS ARCOS ROSA ISELA SANTAMARIA GUTIERREZ et al.	MICROBIOLOGY -SGM	2017
26	Draft genome sequence of <i>Leuconostoc citreum</i> CW28 isolated from pozol, a pre-Hispanic fermented corn beverage	CLARITA OLVERA CARRANZA ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS et al.	Microbiology Resource Announcements	2017

VIRGINIA PATRICIA BUSTOS ARCOS

27	Temporal patterns of influenza A and B in tropical and temperate countries: What are the lessons for influenza vaccination?	VIRGINIA PATRICIA BUSTOS ARCOS Caini, S. Andrade, W. et al.	PLOS ONE	2016
28	Draft Genome Sequence of <i>Aeromonas caviae</i> Strain 429865 INP, Isolated from a Mexican Patient	VIRGINIA PATRICIA BUSTOS ARCOS VICTOR MANUEL GONZALEZ ZUÑIGA Juan Carlos A. Padilla et al.	Genome Announcement s	2015
29	Clinical relevance of rhinovirus infections among adult hospitalized patients	VIRGINIA PATRICIA BUSTOS ARCOS Fica A. Dabanch J. et al.	Brazilian Journal of Infectious Diseases	2015
30	Narrow-Host-Range Bacteriophages That Infect <i>Rhizobium etli</i> Associate with Distinct Genomic Types	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS LUIS FERNANDO LOZANO AGUIRRE BELTRAN et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2014
31	Genomic basis of symbiovar mimosae in <i>Rhizobium etli</i>	MARCO ANTONIO ROGEL HERNANDEZ VIRGINIA PATRICIA BUSTOS ARCOS ROSA ISELA SANTAMARIA GUTIERREZ et al.	Bmc Genomics	2014
32	Whole-Genome Sequence of <i>Wolbachia</i> Strain wAlbB, an Endosymbiont of Tiger Mosquito Vector <i>Aedes albopictus</i>	VIRGINIA PATRICIA BUSTOS ARCOS LUIS FERNANDO LOZANO AGUIRRE BELTRAN VICTOR MANUEL GONZALEZ ZUÑIGA et al.	JOURNAL OF BACTERIOLOGY	2012
33	Transfer of quinolone resistance gene <i>qnrA1</i> to <i>Escherichia coli</i> through a 50 kb conjugative plasmid resulting from the splitting of a 300 kb plasmid	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS Garza-Ramos, U et al.	J ANTIMICROB CHEMOTH	2012
34	Laboratory metabolic evolution improves acetate tolerance and growth on acetate of ethanologenic <i>Escherichia coli</i> under non-aerated conditions in glucose-mineral medium	M. T. Fernandez Sandoval G. Huerta Beristain B. Trujillo Martinez et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2012
35	Draft Genome Sequence of the Bean-Nodulating <i>Sinorhizobium fredii</i> Strain GR64	Gonzalo Torres Tejerizo LUIS FERNANDO LOZANO AGUIRRE BELTRAN VICTOR MANUEL GONZALEZ ZUÑIGA et al.	JOURNAL OF BACTERIOLOGY	2012
36	The conjugative plasmid of a bean-nodulating <i>Sinorhizobium fredii</i> strain is assembled from sequences of two <i>Rhizobium</i> plasmids and the chromosome of a <i>Sinorhizobium</i> strain	LAURA CERVANTES DE LA LUZ VIRGINIA PATRICIA BUSTOS ARCOS MARIA DE LOURDES GIRARD CUESY et al.	BMC MICROBIOLOGY	2011
37	Genomic lineages of <i>Rhizobium etli</i> revealed by the extent of nucleotide polymorphisms and low recombination	JOSE LUIS ACOSTA SANCHEZ LUIS ENRIQUE EGUIARTE FRUNS ROSA ISELA SANTAMARIA GUTIERREZ et al.	BMC EVOLUTIONARY BIOLOGY	2011

VIRGINIA PATRICIA BUSTOS ARCOS

38	Genetic characterization of the virus causing H1N1 influenza pandemic in Chile. Analysis of the first detected cases [Inicio del brote de influenza a (H1N1) pandémica en Chile: Caracterización genética de los primeros casos detectados]	VIRGINIA PATRICIA BUSTOS ARCOS Fasce R.A. Tognarelli J. et al.	REVISTA MEDICA DE CHILE	2011
39	Epidemiologic and virologic assessment of the 2009 influenza A (H1N1) pandemic on selected temperate countries in the Southern Hemisphere: Argentina, Australia, Chile, New Zealand and South Africa	VIRGINIA PATRICIA BUSTOS ARCOS Van Kerkhove M.D. Mounts A.W. et al.	INFLUENZA AND OTHER RESPIRATORY VIRUSES	2011
40	Conserved Symbiotic Plasmid DNA Sequences in the Multireplicon Pangenomic Structure of Rhizobium etli	VICTOR MANUEL GONZALEZ ZUÑIGA JOSE LUIS ACOSTA SANCHEZ ROSA ISELA SANTAMARIA GUTIERREZ et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2010
41	Evolutionary Dynamics of Insertion Sequences in Relation to the Evolutionary Histories of the Chromosome and Symbiotic Plasmid Genes of Rhizobium etli Populations	Luis Lozano Ismael Hernandez Gonzalez VIRGINIA PATRICIA BUSTOS ARCOS et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2010
42	Recurrent DNA inversion rearrangements in the human genome	REY DAVID VALLEJO ROSAS DELFINO GARCIA ALONSO VIRGINIA PATRICIA BUSTOS ARCOS et al.	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2007
43	Rapid evolutionary change of common bean (Phaseolus vulgaris L) plastome, and the genomic diversification of legume chloroplasts	SANTIAGO CASTILLO RAMIREZ VIRGINIA PATRICIA BUSTOS ARCOS JOSE LUIS FERNANDEZ VAZQUEZ et al.	Bmc Genomics	2007
44	DNA diversification in two Sinorhizobium species	DELFINO GARCIA ALONSO VIRGINIA PATRICIA BUSTOS ARCOS JOSE GUILLERMO DAVILA RAMOS et al.	JOURNAL OF BACTERIOLOGY	2007
45	Diversidad genómica de Rhizobium etli: El genoma completo y su variación intraespecífica	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS LUIS FERNANDO LOZANO AGUIRRE BELTRAN et al.	Revista Latinoamericana de Microbiología	2006

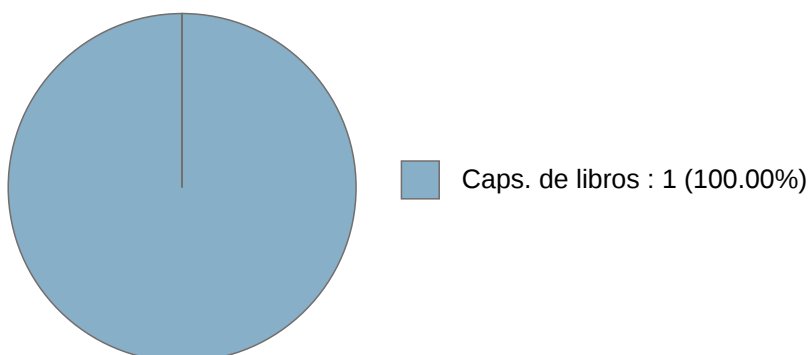
VIRGINIA PATRICIA BUSTOS ARCOS

46	The partitioned <i>Rhizobium etli</i> genome: Genetic and metabolic redundancy in seven interacting replicons	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS MIGUEL ANGEL RAMIREZ ROMERO et al.	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA	2006
47	The mitochondrial genome sequence of the scorpion <i>Centruroides limpidus</i> (Karsch 1879) (Chelicerata; Arachnida)	SONIA DAVILA RAMOS DANIEL IGNACIO PIÑERO DALMAU VIRGINIA PATRICIA BUSTOS ARCOS et al.	Gene	2005
48	Diversification of DNA sequences in the symbiotic genome of <i>Rhizobium etli</i>	VIRGINIA PATRICIA BUSTOS ARCOS DELFINO GARCIA ALONSO YOLANDA PEREZ TEJADA Y DOMINGUEZ et al.	JOURNAL OF BACTERIOLOGY	2005
49	Transfer of the symbiotic plasmid of <i>Rhizobium etli</i> CFN42 requires cointegration with p42a, which may be mediated by site-specific recombination	SUSANA BROM KLANNER MARIA DE LOURDES GIRARD CUESY ALEJANDRO GARCIA DE LOS SANTOS et al.	JOURNAL OF BACTERIOLOGY	2004
50	Conjugative transfer of p42a from <i>Rhizobium etli</i> CFN42, which is required for mobilization of the symbiotic plasmid, is regulated by quorum sensing	VIRGINIA PATRICIA BUSTOS ARCOS SUSANA BROM KLANNER Tun-Garrido C. et al.	JOURNAL OF BACTERIOLOGY	2003
51	The mosaic structure of the symbiotic plasmid of <i>Rhizobium etli</i> CFN42 and its relation to other symbiotic genome compartments.	VIRGINIA PATRICIA BUSTOS ARCOS MIGUEL ANGEL RAMIREZ ROMERO HELADIA SALGADO OSORIO et al.	Genome Biology	2003
52	Sequence, localization and characteristics of the replicator region of the symbiotic plasmid of <i>Rhizobium etli</i>	MIGUEL ANGEL RAMIREZ ROMERO VIRGINIA PATRICIA BUSTOS ARCOS MARIA DE LOURDES GIRARD CUESY et al.	MICROBIOLOGY -SGM	1997
53	Conflicting density dependent dynamics of a bacterial population	JOSE MANUEL FRANCISCO LARA OCHOA VIRGINIA PATRICIA BUSTOS ARCOS	APPL MATH LETT	1990
54	A model for aggregation-dispersion dynamics of a population	JOSE MANUEL FRANCISCO LARA OCHOA VIRGINIA PATRICIA BUSTOS ARCOS	Biosystems	1990
55	Density dependent diffusional model of an infective population	JOSE MANUEL FRANCISCO LARA OCHOA VIRGINIA PATRICIA BUSTOS ARCOS	Biosystems	1990

VIRGINIA PATRICIA BUSTOS ARCOS

LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Genomic tools for the study of azospirillum and other plant growth-promoting rhizobacteria	LUIS FERNANDO LOZANO AGUIRRE BELTRAN VIRGINIA PATRICIA BUSTOS ARCOS ROSA ISELA SANTAMARIA GUTIERREZ et al.	Capítulo de un Libro	2015	9783319065427



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



VIRGINIA PATRICIA BUSTOS ARCOS

PARTICIPACIÓN EN PROYECTOS

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

VIRGINIA PATRICIA BUSTOS ARCOS



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



VIRGINIA PATRICIA BUSTOS ARCOS

PARTICIPACIÓN EN TESIS

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

VIRGINIA PATRICIA BUSTOS ARCOS



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



VIRGINIA PATRICIA BUSTOS ARCOS

DOCENCIA IMPARTIDA

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

VIRGINIA PATRICIA BUSTOS ARCOS



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



VIRGINIA PATRICIA BUSTOS ARCOS

PATENTES

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

VIRGINIA PATRICIA BUSTOS ARCOS

VIRGINIA PATRICIA BUSTOS ARCOS

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