



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



ROSA ISELA SANTAMARIA GUTIERREZ

Datos Generales

Nombre: ROSA ISELA SANTAMARIA GUTIERREZ

Máximo nivel de estudios: MAESTRÍA

Antigüedad académica en la UNAM: 24 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Centro de Ciencias Genómicas
Desde 16-09-2013

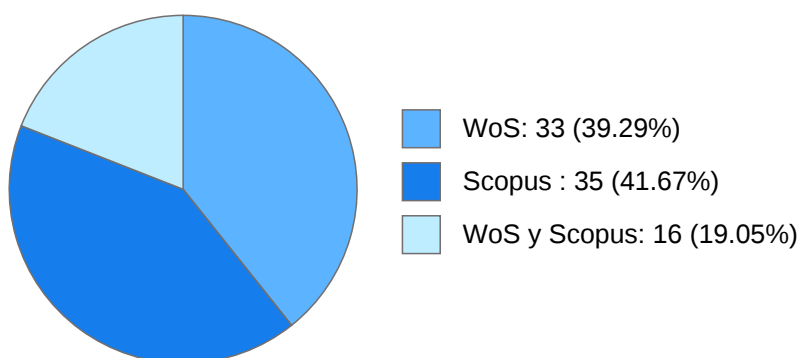
Estímulos, programas, premios y reconocimientos

SNI I 2014 - 2019
PRIDE D - 2024
PRIDE C 2008

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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	Host population structure and species resolution reveal prophage transmission dynamics	OMAR ALEJANDRO AGUILAR VERA ALFREDO JOSE HERNANDEZ ALVAREZ ROSA ISELA SANTAMARIA GUTIERREZ et al.	Mbio	2024
4	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
5	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

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6	Introducing a Novel, Broad Host Range Temperate Phage Family Infecting Rhizobium leguminosarum and Beyond	ROSA ISELA SANTAMARIA GUTIERREZ Sam Ford Sara Moeskjaer et al.	FRONTIERS IN MICROBIOLOGY	2021
7	A novel vieuvirus from multidrug-resistant Acinetobacter baumannii	ROSA ISELA SANTAMARIA GUTIERREZ MIGUEL ANGEL CARLOS CEVALLOS GAOS JUAN CARLOS PEREZ MONTER et al.	ARCHIVES OF VIROLOGY	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	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
11	Genomic Analysis Reveals the Genetic Determinants Associated With Antibiotic Resistance in the Zoonotic Pathogen Campylobacter spp. Distributed Globally	IRMA MARTINEZ FLORES ROSA ISELA SANTAMARIA GUTIERREZ LUIS FERNANDO LOZANO AGUIRRE BELTRAN et al.	FRONTIERS IN MICROBIOLOGY	2020
12	Prophages Encode Antibiotic Resistance Genes in Acinetobacter baumannii	ROSA ISELA SANTAMARIA GUTIERREZ MIGUEL ANGEL CARLOS CEVALLOS GAOS VICTOR MANUEL GONZALEZ ZUÑIGA et al.	MICROBIAL DRUG RESISTANCE	2020
13	Phylogenomic Rhizobium 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
14	Genomic diversity of prevalent Staphylococcus epidermidis 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
15	Complete genome sequences of three Rhizobium gallicum symbionts associated with common bean (Phaseolus vulgaris)	VIRGINIA PATRICIA BUSTOS ARCOS ROSA ISELA SANTAMARIA GUTIERREZ LUIS FERNANDO LOZANO AGUIRRE BELTRAN et al.	Genome Announcements	2017
16	Complete genome sequences of eight Rhizobium symbionts associated with common bean (Phaseolus vulgaris)	ROSA ISELA SANTAMARIA GUTIERREZ VIRGINIA PATRICIA BUSTOS ARCOS PABLO VINUESA FLEISCHMANN et al.	Genome Announcements	2017

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17	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
18	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
19	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
20	Genomic basis of symbiovar <i>mimosae</i> in <i>Rhizobium etli</i>	MARCO ANTONIO ROGEL HERNANDEZ VIRGINIA PATRICIA BUSTOS ARCOS ROSA ISELA SANTAMARIA GUTIERREZ et al.	Bmc Genomics	2014
21	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
22	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
23	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
24	Conserved Symbiotic Plasmid DNA Sequences in the Multireplicon Pangenomic Structure of <i>Rhizobium etli</i>	VICTOR MANUEL GONZALEZ ZUÑIGA JOSE LUIS ACOSTA SANCHEZ ROSA ISELA SANTAMARIA GUTIERREZ et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2010
25	Evolutionary Dynamics of Insertion Sequences in Relation to the Evolutionary Histories of the Chromosome and Symbiotic Plasmid Genes of <i>Rhizobium etli</i> Populations	Luis Lozano Ismael Hernandez Gonzalez VIRGINIA PATRICIA BUSTOS ARCOS et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2010
26	Diversidad genómica de <i>Rhizobium etli</i> : 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

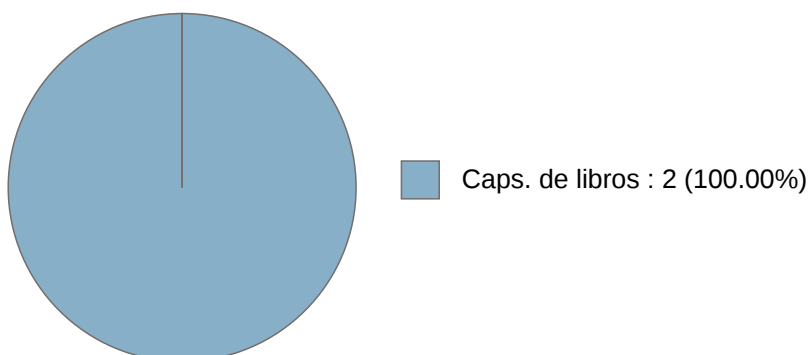
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27	The genome project of Taenia solium	JOSE HUGO AGUILAR DIAZ RAUL JOSE BOBES RUIZ JULIO CESAR CARRERO SANCHEZ et al.	PARASITOLOGY INTERNATIONAL	2006
28	The partitioned Rhizobium etli genome: Genetic and metabolic redundancy in seven interacting replicons	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
29	A more Efficient Starch Degradation by the Combination of Hydrolase and Transferase Activities of α -Amylase and Cyclomaltodextrin Glucanotransferase	GLORIA SAAB RINCON ROSA ISELA SANTAMARIA GUTIERREZ FRANCISCO XAVIER DEL ESPIRITU SANTO SOBERON MAINERO et al.	Starch-Starke	2004
30	Enzymatic extraction of oil from Gevuina avellana, the Chilean hazelnut	ROSA ISELA SANTAMARIA GUTIERREZ AGUSTIN LOPEZ MUNGUIA CANALES Soto C. et al.	JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY	2003
31	Enzyme-mediated solvent extraction of carotenoids from Marigold flower (Tagetes erecta)	EDUARDO BARZANA GARCIA ROSA ISELA SANTAMARIA GUTIERREZ AGUSTIN LOPEZ MUNGUIA CANALES et al.	JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY	2002
32	Enzyme-aided alternative processes for the extraction of oil from Rosa rubiginosa [1]	ROSA ISELA SANTAMARIA GUTIERREZ AGUSTIN LOPEZ MUNGUIA CANALES Moure A. et al.	JOURNAL OF THE AMERICAN OIL CHEMISTS SOCIETY	2001
33	Selective enzyme-mediated extraction of capsaicinoids and carotenoids from chili guajillo puya (Capsicum annuum L.) using ethanol as solvent	ROSA ISELA SANTAMARIA GUTIERREZ EDUARDO BARZANA GARCIA AGUSTIN LOPEZ MUNGUIA CANALES et al.	JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY	2000
34	Introducing transglycosylation activity in a liquefying α -amylase	GLORIA SAAB RINCON ROSA ISELA SANTAMARIA GUTIERREZ AGUSTIN LOPEZ MUNGUIA CANALES et al.	FEBS LETTERS	1999
35	Alcoholysis reactions from starch with α -amylases	ROSA ISELA SANTAMARIA GUTIERREZ GABRIEL DEL RIO GUERRA MARIO ENRIQUE RODRIGUEZ GARCIA et al.	FEBS LETTERS	1999

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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
2	Novel and potential applications of α-amylases in the food industry	GLORIA SAAB RINCON GABRIEL DEL RIO GUERRA ROSA ISELA SANTAMARIA GUTIERREZ et al.	Capítulo de un Libro	2002	9781420010169



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PARTICIPACIÓN EN PROYECTOS

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

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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