



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



MARCO ANTONIO ROGEL HERNANDEZ

Datos Generales

Nombre: MARCO ANTONIO ROGEL HERNANDEZ

Máximo nivel de estudios: DOCTORADO

Antigüedad académica en la UNAM: 31 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Centro de Ciencias Genómicas
Desde 01-02-2023

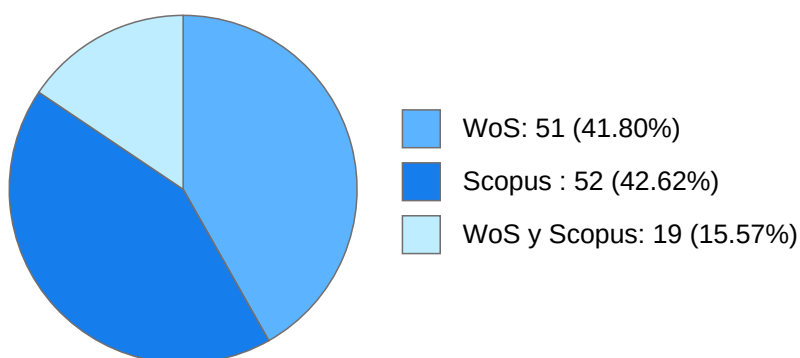
Estímulos, programas, premios y reconocimientos

SNI I 2013 – VIGENTE
SNI C 2009 – 2010
PRIDE D – 2024

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DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	On the Origins of Symbiotic Fungi in Carmine Cochineals and Their Function in the Digestion of Plant Polysaccharides	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO González-Román P. et al.	Insects	2024
2	Genomic Insights and Plant Growth-Promoting Potential of Rhizobial Strains from Agave americana	MARIA ESPERANZA MARTINEZ ROMERO MARCO ANTONIO ROGEL HERNANDEZ YUNUEN TAPIA TORRES et al.	Horticulturae	2024
3	Novel symbiovars ingae, lysilomae and lysilomaefficiens in bradyrhizobia from tree-legume nodules	MARCO ANTONIO ROGEL HERNANDEZ MONICA TERESA ROSENBLUETH LAGUETTE JULIO CESAR MARTINEZ ROMERO et al.	SYSTEMATIC AND APPLIED MICROBIOLOGY	2023
4	Enhance of tomato production and induction of changes on the organic profile mediated by Rhizobium biofortification	MARCO ANTONIO ROGEL HERNANDEZ Gen-Jiménez A. Flores-Félix J.D. et al.	FRONTIERS IN MICROBIOLOGY	2023
5	Complete genome sequence of Exiguobacterium profundum TSS-3 isolated from an extremely saline-alkaline spring located in Ixtapa, Chiapas-México	MARCO ANTONIO ROGEL HERNANDEZ MARIA GABRIELA GUERRERO RUIZ MARIA ESPERANZA MARTINEZ ROMERO et al.	Microbiology Resource Announcements	2023

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6	The phylogeny of Acetobacteraceae: photosynthetic traits and deranged respiratory enzymes	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Esposti M.D. et al.	Microbiology Spectrum	2023
7	Genomic Diversity of Bradyrhizobium from the Tree Legumes Inga and Lysiloma (Caesalpinioideae-Mimosoid Clade)	MARCO ANTONIO ROGEL HERNANDEZ MONICA TERESA ROSENBLUETH LAGUETTE JULIO CESAR MARTINEZ ROMERO et al.	DIVERSITY-BASE L	2022
8	Bacterial Community with Plant Growth-Promoting Potential Associated to Pioneer Plants from an Active Mexican Volcanic Complex	MARIA ESPERANZA MARTINEZ ROMERO MARCO ANTONIO ROGEL HERNANDEZ Clara Ivette Rincon-Molina et al.	Microorganism s	2022
9	Genomic Data of Acaciella Nodule Ensifer mexicanus ITTG R7(T)	MARCO ANTONIO ROGEL HERNANDEZ MARIA GABRIELA GUERRERO RUIZ MARIA ESPERANZA MARTINEZ ROMERO et al.	Microbiology Resource Announcement s	2021
10	Nitrogen fixation in pozol, a traditional fermented beverage	MARCO ANTONIO ROGEL HERNANDEZ DANIEL ALEJANDRO GUILLEN SANTOS MARIA DEL CARMEN WACHER RODARTE et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2020
11	Plant growth-promoting potential of bacteria associated to pioneer plants from an active volcanic site of Chiapas (Mexico)	MARIA ESPERANZA MARTINEZ ROMERO MARCO ANTONIO ROGEL HERNANDEZ Rincón-Molina C.I. et al.	APPLIED SOIL ECOLOGY	2020
12	La diversidad de los rizobios nativos de México a la luz de la genómica	MARCO ANTONIO ROGEL HERNANDEZ JULIO CESAR MARTINEZ ROMERO MARIA ESPERANZA MARTINEZ ROMERO et al.	Revista Mexicana De Biodiversidad	2019
13	Genome Sequence of Rhizobium jaguaris CCGE525(T), a Strain Isolated from Calliandra grandiflora Nodules from a Rain Forest in Mexico	LUIS EDUARDO SERVIN GARCIDUEÑAS MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO et al.	Microbiology Resource Announcement s	2019
14	Nodule bacteria from the cultured legume Phaseolus dumosus (belonging to the Phaseolus vulgaris cross-inoculation group) with common tropici phenotypic characteristics and symbiovar but distinctive phylogenomic position and chromid	MARCO ANTONIO ROGEL HERNANDEZ MARIA GABRIELA GUERRERO RUIZ JULIO CESAR MARTINEZ ROMERO et al.	SYSTEMATIC AND APPLIED MICROBIOLOGY	2019
15	Complete Genome Sequence of the Symbiotic Strain Bradyrhizobium icense LMTR 13(T), Isolated from Lima Bean (Phaseolus lunatus) in Peru	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Ormeño-Orrillo E. et al.	Microbiology Resource Announcement s	2018

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16	Nitrogen fixation in cereals	MONICA TERESA ROSENBLUETH LAGUETTE MARCO ANTONIO ROGEL HERNANDEZ JULIO CESAR MARTINEZ ROMERO et al.	FRONTIERS IN MICROBIOLOGY	2018
17	Genome sequence of Acinetobacter lactuca OTEC-02, isolated from hydrocarbon contaminated soil	MARCO ANTONIO ROGEL HERNANDEZ GABRIELA ALICIA DIAZ GUERRERO Rincón-Molina, C.I. et al.	Genome Announcement s	2017
18	Draft genome sequence of Bradyrhizobium paxllaeri LMTR 21(T) isolated from Lima bean (Phaseolus lunatus) in Peru	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Ormeño-Orrillo, E. et al.	Genomics Data	2017
19	Complete genome sequence of a novel nonnodulating Rhizobium species isolated from Agave americana L. rhizosphere	MARCO ANTONIO ROGEL HERNANDEZ MARIA GABRIELA GUERRERO RUIZ MARIA ESPERANZA MARTINEZ ROMERO et al.	Microbiology Resource Announcement s	2017
20	Complete genome sequence of Bradyrhizobium sp. strain CCGE-LA001, isolated from field nodules of the enigmatic wild bean Phaseolus microcarpus	LUIS EDUARDO SERVIN GARCIDUEÑAS MARCO ANTONIO ROGEL HERNANDEZ FEDERICO ESTEBAN SANCHEZ RODRIGUEZ et al.	Microbiology Resource Announcement s	2016
21	Endemic Mimosa species from Mexico prefer alphaproteobacterial rhizobial symbionts	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Bontemps, Cyril et al.	NEW PHYTOLOGIST	2016
22	Rhizobium strain, a banana (Musa spp.)-associated bacterium with a high potential as biofertilizer	MARCO ANTONIO ROGEL HERNANDEZ Salvador-Figueroa, M. Ruiz-Valdiviezo, V. M. et al.	JOURNAL OF PLANT NUTRITION	2016
23	Rhizobium favelukesii sp nov., isolated from the root nodules of alfalfa (Medicago sativa L)	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Torres Tejerizo, Gonzalo et al.	INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY	2016
24	Taxonomy of rhizobia and agrobacteria from the Rhizobiaceae family in light of genomics	Ernesto OrmenoOrrillo LUIS EDUARDO SERVIN GARCIDUEÑAS MARCO ANTONIO ROGEL HERNANDEZ et al.	SYSTEMATIC AND APPLIED MICROBIOLOGY	2015
25	Rhizobium ecuadorensis sp. nov., an indigenous N ₂ -fixing symbiont of the ecuadorian common bean (Phaseolus vulgaris L.) genetic pool	Ernesto OrmenoOrrillo MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO et al.	INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY	2015

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26	Bradyrhizobium viridifuturi sp. nov., encompassing nitrogen-fixing symbionts of legumes used for green manure and environmental services	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Ferraz Helene, Luisa Caroline et al.	INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY	2015
27	Characterization of Rhizobium grahamii extrachromosomal replicons and their transfer among rhizobia	Maria Julia Althabegoiti Ernesto Ormeno Orrillo LUIS FERNANDO LOZANO AGUIRRE BELTRAN et al.	BMC MICROBIOLOGY	2014
28	Genomic basis of symbiovar mimosae in Rhizobium etli	MARCO ANTONIO ROGEL HERNANDEZ VIRGINIA PATRICIA BUSTOS ARCOS ROSA ISELA SANTAMARIA GUTIERREZ et al.	Bmc Genomics	2014
29	Symbiont shift towards Rhizobium nodulation in a group of phylogenetically related Phaseolus species	Alejandra Zayas Del Moral Ernesto Ormeno Orrillo MARCO ANTONIO ROGEL HERNANDEZ et al.	MOLECULAR PHYLOGENETICS AND EVOLUTION	2014
30	Rhizobium paranaense sp nov., an effective N-2-fixing symbiont of common bean (Phaseolus vulgaris L.) with broad geographical distribution in Brazil	Ernesto Ormeno Orrillo MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO et al.	INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY	2014
31	Gut and root microbiota commonalities	Shamayim T. Ramirez Puebla Berenice Jimenez Marin Luis M. Bolanos et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2013
32	Native bradyrhizobia from Los Tuxtlas in Mexico are symbionts of Phaseolus lunatus (Lima bean)	Aline Lopez Lopez MARCO ANTONIO ROGEL HERNANDEZ Ernesto Ormeno Orrillo et al.	SYSTEMATIC AND APPLIED MICROBIOLOGY	2013
33	Rhizobium calliandrae sp. nov., Rhizobium mayense sp. nov. and Rhizobium jaguaris sp. nov., rhizobial species nodulating the medicinal legume Calliandra grandiflora	MARCO ANTONIO ROGEL HERNANDEZ Ernesto Ormeno Orrillo MARIA ESPERANZA MARTINEZ ROMERO et al.	INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY	2013
34	Rhizobium freirei sp. nov., a symbiont of Phaseolus vulgaris that is very effective at fixing nitrogen	Ernesto Ormeno Orrillo MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO et al.	INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY	2013

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35	Reclassification of <i>Rhizobium tropici</i> type A strains as <i>Rhizobium leucaenae</i> sp. nov.	MARCO ANTONIO ROGEL HERNANDEZ Aline Lopez Lopez JULIO CESAR MARTINEZ ROMERO et al.	INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY	2012
36	Change in Land Use Alters the Diversity and Composition of Bradyrhizobium Communities and Led to the Introduction of <i>Rhizobium etli</i> into the Tropical Rain Forest of Los Tuxtlas	Ernesto Ormeno Orrillo MARCO ANTONIO ROGEL HERNANDEZ Lourdes Lloret et al.	MICROBIAL ECOLOGY	2012
37	Rhizobial extrachromosomal replicon variability, stability and expression in natural niches	Martha G. Lopez Guerrero Ernesto Ormeno Orrillo JOSE LUIS ACOSTA SANCHEZ et al.	Plasmid	2012
38	<i>Rhizobium grahamii</i> sp. nov., from nodules of <i>Dalea leporina</i> , <i>Leucaena leucocephala</i> and <i>Clitoria ternatea</i> , and <i>Rhizobium mesoamericanum</i> sp. nov., from nodules of <i>Phaseolus vulgaris</i>	Aline Lopez Lopez MARCO ANTONIO ROGEL HERNANDEZ JULIO CESAR MARTINEZ ROMERO et al.	INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY	2012
39	<i>Rhizobium etli</i> taxonomy revised with novel genomic data and analyses	Martha G. Lopez Guerrero Ernesto Ormeno Orrillo MARCO ANTONIO ROGEL HERNANDEZ et al.	SYSTEMATIC AND APPLIED MICROBIOLOGY	2012
40	Genome Sequence of <i>Rhizobium</i> sp Strain CCGE510, a Symbiont Isolated from Nodules of the Endangered Wild Bean <i>Phaseolus albescens</i>	MARCO ANTONIO ROGEL HERNANDEZ Ernesto Ormeno Orrillo ALFONSO OCTAVIO DELGADO SALINAS et al.	JOURNAL OF BACTERIOLOGY	2012
41	Genome Sequence of <i>Rhizobium grahamii</i> CCGE502, a Broad-Host-Range Symbiont with Low Nodulation Competitiveness in <i>Phaseolus vulgaris</i>	M. Julia Althabegoiti LUIS FERNANDO LOZANO AGUIRRE BELTRAN Gonzalo Torres Tejerizo et al.	JOURNAL OF BACTERIOLOGY	2012
42	Genome Sequences of <i>Burkholderia</i> sp Strains CCGE1002 and H160, Isolated from Legume Nodules in Mexico and Brazil	Ernesto Ormeno Orrillo MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO et al.	JOURNAL OF BACTERIOLOGY	2012
43	Seed bacterial endophytes: Common genera, seed-to-seed variability and their possible role in plants	MONICA TERESA ROSENBLUETH LAGUETTE JULIO CESAR MARTINEZ ALVAREZ MARCO ANTONIO ROGEL HERNANDEZ et al.	Acta Horticulturae	2012
44	Symbiovars in rhizobia reflect bacterial adaptation to legumes	MARCO ANTONIO ROGEL HERNANDEZ Ernesto Ormeno Orrillo MARIA ESPERANZA MARTINEZ ROMERO	SYSTEMATIC AND APPLIED MICROBIOLOGY	2011

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45	Environmental Mycobacteria: A Threat to Human Health?	MONICA TERESA ROSENBLUETH LAGUETTE JULIO CESAR MARTINEZ ROMERO Mariana Reyes Prieto et al.	DNA AND CELL BIOLOGY	2011
46	Phaseolus vulgaris seed-borne endophytic community with novel bacterial species such as Rhizobium endophyticum sp. nov.	Aline Lopez Lopez MARCO ANTONIO ROGEL HERNANDEZ Ernesto Ormeno Orrillo et al.	SYSTEMATIC AND APPLIED MICROBIOLOGY	2010
47	Mesorhizobium amorphae, a rhizobial species that nodulates Amorpha fruticosa, is native to American soils	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Wang E. et al.	ARCHIVES OF MICROBIOLOGY	2002
48	Limited genetic diversity of Brucella spp.	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Gándara B. et al.	JOURNAL OF CLINICAL MICROBIOLOGY	2001
49	Nitrogen-Fixing Nodules with Ensifer adhaerens Harboring Rhizobium tropici Symbiotic Plasmids	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Hernández-Lucas I. et al.	APPLIED AND ENVIRONMENTAL MICROBIOLOGY	2001
50	Rhizobium etli bv. mimosae, a novel biovar isolated from Mimosa affinis	MARCO ANTONIO ROGEL HERNANDEZ ALEJANDRO GARCIA DE LOS SANTOS JULIO CESAR MARTINEZ ROMERO et al.	INT J SYST BACTERIOL	1999
51	Seeds of Phaseolus vulgaris bean carry Rhizobium etli	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Pérez-Ramírez N.O. et al.	FEMS MICROBIOLOGY ECOLOGY	1998
52	Isolation and characterization of the Rhizobium tropici nod factor sulfation genes	MARCO ANTONIO ROGEL HERNANDEZ MARIA ESPERANZA MARTINEZ ROMERO Laeremans T. et al.	MOLECULAR PLANT-MICROBE INTERACTIONS	1996

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LIBROS Y CAPITULOS CON ISBN

Obras con registro ISBN



#	Título	Autores	Alcance	Año	ISBN
1	Trends in Rhizobial evolution and some taxonomic remarks	MARIA ESPERANZA MARTINEZ ROMERO JULIO CESAR MARTINEZ ROMERO MARCO ANTONIO ROGEL HERNANDEZ	Capítulo de un Libro	2010	9783642123399



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PARTICIPACIÓN EN PROYECTOS

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

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MARCO ANTONIO ROGEL HERNANDEZ

DOCENCIA IMPARTIDA

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

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MARCO ANTONIO ROGEL HERNANDEZ

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