MA. SOLEDAD MORENO LEON

Datos Generales

Nombre: MA. SOLEDAD MORENO LEON

Máximo nivel de estudios: LICENCIATURA

Antigüedad académica en la UNAM: 42 años

Nombramientos

Vigente: TECNICO ACADEMICO TITULAR C TC Definitivo
Instituto de Biotecnología
Desde 16-12-2010

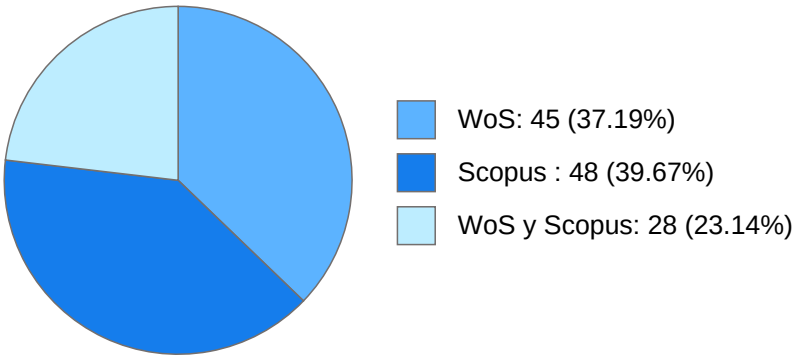
Estímulos, programas, premios y reconocimientos

SNI I 2015 - VIGENTE
PRIDE D 2021 - 2024
PRIDE C - 2021

MA. SOLEDAD MORENO LEON

DOCUMENTOS EN REVISTAS

Histórico de Documentos



#	Título	Autores	Revista	Año
1	The stringent response regulates the poly-ß- hydroxybutyrate (PHB) synthesis in Azotobacter vinelandii	MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO Ortiz-Vasco C.C. et al.	PLOS ONE	2024
2	Defining the regulatory mechanisms of sigma factor RpoS degradation in Azotobacter vinelandii and Pseudomonas aeruginosa	MA. SOLEDAD MORENO LEON GLORIA SOBERON CHAVEZ ELDA GUADALUPE ESPIN OCAMPO et al.	MOLECULAR MICROBIOLOGY	2023
3	The Azotobacter vinelandii AlgU regulon during vegetative growth and encysting conditions: A proteomic approach	ROSA VICTORIA PANDO ROBLES MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO et al.	PLOS ONE	2023
4	The ribosome rescue pathways SsrA-SmpB, ArfA, and ArfB mediate tolerance to heat and antibiotic stresses in Azotobacter vinelandii	MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO Luis Felipe Muriel-Millan et al.	FEMS MICROBIOLOGY LETTERS	2022
5	PsrA positively regulates the unsaturated fatty acid synthesis operon fabAB in Azotobacter vinelandii	MIGUEL ANGEL VENCES GUZMAN MA. SOLEDAD MORENO LEON JOSE RAUNEL TINOCO VALENCIA et al.	MICROBIOLOGICAL RESEARCH	2021
6	Cyclic di-GMP-Mediated Regulation of Extracellular Mannuronan C-5 Epimerases Is Essential for Cyst Formation in Azotobacter vinelandii	JOSEFINA GUZMAN APARICIO MA. SOLEDAD MORENO LEON MIGUEL COCOTL YAÃ?EZ et al.	JOURNAL OF BACTERIOLOGY	2020

MA. SOLEDAD MORENO LEON

7	Outer membrane protein I is associated with poly-ß-hydroxybutyrate granules and is necessary for optimal polymer accumulation in Azotobacter vinelandii on solid medium	MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO Castellanos M. et al.	MICROBIOLOGY -SGM	2019
8	The pyrophosphohydrolase RppH is involved in the control of RsmA/CsrA expression in Azotobacter vinelandii and Escherichia coli	Leidy P. Bedoya Perez Luis F. Muriel Millan MA. SOLEDAD MORENO LEON et al.	MICROBIOLOGICAL RESEARCH	2018
9	Expression of the sRNAs CrcZ and CrcY modulate the strength of carbon catabolite repression under diazotrophic or non-diazotrophic growing conditions in Azotobacter vinelandii	JOSEFINA GUZMAN APARICIO MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO et al.	PLOS ONE	2018
10	Unphosphorylated EIIA(Ntr) induces ClpAP-mediated degradation of RpoS in Azotobacter vinelandii	MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO Muriel-Millán, L.F. et al.	MOLECULAR MICROBIOLOGY	2017
11	LEA proteins are involved in cyst desiccation resistance and other abiotic stresses in Azotobacter vinelandii	MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO Rodriguez-Salazar, J.	CELL STRESS & CHAPERONES	2017
12	GacA regulates the PTSNtr-dependent control of cyst formation in Azotobacter vinelandii	MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO Trejo, Adan et al.	FEMS MICROBIOLOGY LETTERS	2017
13	The GacS/A-RsmA Signal Transduction Pathway Controls the Synthesis of Alkylresorcinol Lipids that Replace Membrane Phospholipids during Encystment of Azotobacter vinelandii SW136	JOSEFINA GUZMAN APARICIO MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO et al.	PLOS ONE	2016
14	The unphosphorylated EIIANtr protein represses the synthesis of Alkylresorcinols in Azotobacter vinelandii	Luis Felipe MurielMillan MA. SOLEDAD MORENO LEON YANET ROMERO NAVA et al.	PLOS ONE	2015
15	Posttranscriptional regulation of PhbR, the transcriptional activator of polyhydroxybutyrate synthesis, by iron and the sRNA ArrF in Azotobacter vinelandii	Luis Felipe Muriel Millan Mildred Castellanos Jose Alberto Hernandez Eligio et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2014
16	A small heat-shock protein (Hsp20) regulated by RpoS is essential for cyst desiccation resistance in Azotobacter vinelandii	Miguel Cocotl Yanez MA. SOLEDAD MORENO LEON SERGIO MANUEL ENCARNACION GUEVARA et al.	MICROBIOLOGY -SGM	2014

MA. SOLEDAD MORENO LEON

17	Alginate synthesis in Azotobacter vinelandii is increased by reducing the intracellular production of ubiquinone	CINTHIA ERNESTINA NUÑEZ LOPEZ CARLOS FELIPE PEÑA MALACARA Alberto Hernandez Eligio et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2013
18	Sigma factor RpoS controls alkylresorcinol synthesis through ArpR, a LysR-type regulatory protein, during encystment of Azotobacter vinelandii	YANET ROMERO NAVA MA. SOLEDAD MORENO LEON JOSEFINA GUZMAN APARICIO et al.	JOURNAL OF BACTERIOLOGY	2013
19	Expression of alginases and alginate polymerase genes in response to oxygen, and their relationship with the alginate molecular weight in Azotobacter vinelandii	CELIA FLORES OCAMPO MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO et al.	ENZYME AND MICROBIAL TECHNOLOGY	2013
20	RsmA post-transcriptionally controls PhbR expression and polyhydroxybutyrate biosynthesis in Azotobacter vinelandii	Alberto Hernandez Eligio MA. SOLEDAD MORENO LEON Mildred Castellanos et al.	MICROBIOLOGY -SGM	2012
21	Roles of RpoS and PsrA in cyst formation and alkylresorcinol synthesis in Azotobacter vinelandii	Miguel Cocotl Yanez ARISTIDES III SAMPIERI HERNANDEZ MA. SOLEDAD MORENO LEON et al.	MICROBIOLOGY -SGM	2011
22	Transcriptional activation of the Azotobacter vinelandii polyhydroxybutyrate biosynthetic genes phbBAC by PhbR and RpoS	Alberto Hernandez Eligio Mildred Castellanos MA. SOLEDAD MORENO LEON et al.	MICROBIOLOGY -SGM	2011
23	Isolation and Characterization of Azotobacter vinelandii Mutants Impaired in Alkylresorcinol Synthesis: Alkylresorcinols Are Not Essential for Cyst Desiccation Resistance	DANIEL GENARO SEGURA GONZALEZ Odon Vite YANET ROMERO NAVA et al.	JOURNAL OF BACTERIOLOGY	2009
24	The Azotobacter vinelandii AlgE mannuronan C-5-epimerase family is essential for the in vivo control of alginate monomer composition and for functional cyst formation	MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO Steigedal, Magnus et al.	ENVIRONMENTAL MICROBIOLOGY	2008
25	Enzyme I-Ntr, NPr and IIA(Ntr) are involved in regulation of the poly-beta-hydroxybutyrate biosynthetic genes in Azotobacter vinelandii	Raul Noguez DANIEL GENARO SEGURA GONZALEZ MA. SOLEDAD MORENO LEON et al.	JOURNAL OF MOLECULAR MICROBIOLOGY AND BIOTECHNOLOGY	2008

MA. SOLEDAD MORENO LEON

26	Identification and characterization of an Azotobacter vinelandii type I secretion system responsible for export of the AlgE-type mannuronan C-5-epimerases	MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO Gimmestad M. et al.	JOURNAL OF BACTERIOLOGY	2006
27	Alkylresorcinols synthesis and its role in the production of cysts in Azotobacter [La síntesis de alquilresorcinoles y su papel en la formación de quistes en Azotobacter vinelandii]	ELDA GUADALUPE ESPIN OCAMPO MA. SOLEDAD MORENO LEON DANIEL GENARO SEGURA GONZALEZ et al.	Revista Latinoamericana de Microbiologia	2006
28	The roles of oxygen and alginate-lyase in determining the molecular weight of alginate produced by Azotobacter vinelandii	MAURICIO ALBERTO TRUJILLO ROLDAN MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2004
29	Alginate production by an Azotobacter vinelandii mutant unable to produce alginate lyase	MAURICIO ALBERTO TRUJILLO ROLDAN MA. SOLEDAD MORENO LEON DANIEL GENARO SEGURA GONZALEZ et al.	APPLIED MICROBIOLOGY AND BIOTECHNOLOGY	2003
30	The global regulators GacA and sS form part of a cascade that controls alginate production in Azotobacter vinelandii	JORGE FELIX SANCHEZ QUINTANA MA. SOLEDAD MORENO LEON CINTHIA ERNESTINA NUÑEZ LOPEZ et al.	JOURNAL OF BACTERIOLOGY	2001
31	Azotobacter vinelandii aldehyde dehydrogenase regulated by s54: Role in alcohol catabolism and encystment	MA. DEL SOCORRO GAMA CASTRO CINTHIA ERNESTINA NUÑEZ LOPEZ DANIEL GENARO SEGURA GONZALEZ et al.	JOURNAL OF BACTERIOLOGY	2001
32	The GacS sensor kinase regulates alginate and poly-ß-hydroxybutyrate production in Azotobacter vinelandii	JOSEFINA GUZMAN APARICIO MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO et al.	JOURNAL OF BACTERIOLOGY	2000
33	Inactivation of the ampDE operon increases transcription of algD and affects morphology and encystment of Azotobacter vinelandii	CINTHIA ERNESTINA NUÑEZ LOPEZ MA. SOLEDAD MORENO LEON LUIS CARDENAS TORRES et al.	JOURNAL OF BACTERIOLOGY	2000
34	Transcriptional organization of the Azotobacter vinelandii algGXLVIFA genes: Characterization of algF mutants	MA. SOLEDAD MORENO LEON JOSEFINA GUZMAN APARICIO ELDA GUADALUPE ESPIN OCAMPO et al.	Gene	1999
35	The Azotobacter vinelandii response regulator AlgR is essential for cyst formation	CINTHIA ERNESTINA NUÑEZ LOPEZ MA. SOLEDAD MORENO LEON GLORIA SOBERON CHAVEZ et al.	JOURNAL OF BACTERIOLOGY	1999
36	Role of alternative s factor AlgU in encystment of Azotobacter vinelandii	MA. SOLEDAD MORENO LEON JOSEFINA GUZMAN APARICIO GLORIA SOBERON CHAVEZ et al.	JOURNAL OF BACTERIOLOGY	1998

MA. SOLEDAD MORENO LEON

37	The Azotobacter vinelandii alg8 and alg44 genes are essential for alginate synthesis and can be transcribed from an algD-independent promoter	JOSEFINA GUZMAN APARICIO MA. SOLEDAD MORENO LEON GLORIA SOBERON CHAVEZ et al.	Gene	1997
38	Isolation and characterization of an Azotobacter vinelandii algK mutant	MA. SOLEDAD MORENO LEON JOSEFINA GUZMAN APARICIO GLORIA SOBERON CHAVEZ et al.	FEMS MICROBIOLOGY LETTERS	1997
39	Genetic analysis of the transcriptional arrangement of Azotobacter vinelandii alginate biosynthetic genes: Identification of two independent promoters	MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO GLORIA SOBERON CHAVEZ et al.	MOLECULAR MICROBIOLOGY	1996
40	Characterization of the gene coding for GDP-mannose dehydrogenase (algD) from Azotobacter vinelandii	JAIME MARIANO MARTINEZ SALAZAR MA. SOLEDAD MORENO LEON CINTHIA ERNESTINA NUÑEZ LOPEZ et al.	JOURNAL OF BACTERIOLOGY	1996
41	Characterization of the genes coding for the putative sigma factor algU and its regulators MucA, MucB, MucC, and MucD in Azotobacter vinelandii and evaluation of their roles in alginate biosynthesis	JAIME MARIANO MARTINEZ SALAZAR MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO et al.	JOURNAL OF BACTERIOLOGY	1996
42	The effect of the nitrogen and ntrC on the adenylylation of glutamine synthetase I in Rhizobium etli	MA. SOLEDAD MORENO LEON JOSEFINA GUZMAN APARICIO ELDA GUADALUPE ESPIN OCAMPO et al.	CANADIAN JOURNAL OF MICROBIOLOGY	1994
43	Molecular genetics of the glutamine synthetases in rhizobium species	ELDA GUADALUPE ESPIN OCAMPO MA. SOLEDAD MORENO LEON JOSEFINA GUZMAN APARICIO	CRITICAL REVIEWS IN MICROBIOLOGY	1994
44	Phenotype of a Rhizobium leguminosarum ntrC mutant	MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO Patriarca E.J. et al.	RESEARCH IN MICROBIOLOGY	1992
45	Formation of Rhizobium phaseoli symbiotic plasmids by genetic recombination	GLORIA SOBERON CHAVEZ ELDA GUADALUPE ESPIN OCAMPO MA. SOLEDAD MORENO LEON et al.	MOLECULAR MICROBIOLOGY	1991
46	A previously unrecognized glutamine synthetase expressed in Klebsiella pneumoniae from the glnT locus of Rhizobium leguminosarum	ELDA GUADALUPE ESPIN OCAMPO MA. SOLEDAD MORENO LEON Wild M. et al.	MOL GEN GENET	1990
47	Transcription analysis of the three nifH genes of Rhizobium phaseoli with gene fusions	JUAN ENRIQUE MORETT SANCHEZ MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO	MOL GEN GENET	1988
48	Impaired nitrogen fixation and glutamine synthesis in methionine sulfoximine sensitive (MSs) mutants of Rhizobium phaseoli	JUAN ENRIQUE MORETT SANCHEZ MA. SOLEDAD MORENO LEON ELDA GUADALUPE ESPIN OCAMPO	Mgg Molecular & General Genetics	1985

MA. SOLEDAD MORENO LEON

LIBROS Y CAPITULOS CON ISBN

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

MA. SOLEDAD MORENO LEON

MA. SOLEDAD MORENO LEON

PARTICIPACIÓN EN PROYECTOS

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

MA. SOLEDAD MORENO LEON

MA. SOLEDAD MORENO LEON

PARTICIPACIÓN EN TESIS

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

MA. SOLEDAD MORENO LEON

MA. SOLEDAD MORENO LEON

DOCENCIA IMPARTIDA

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

MA. SOLEDAD MORENO LEON

MA. SOLEDAD MORENO LEON

PATENTES

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

MA. SOLEDAD MORENO LEON

MA. SOLEDAD MORENO LEON

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