

MARÍA BELÉN RODELAS GONZÁLEZ

Grupo de Investigación: MICROBIOLOGIA AMBIENTAL (Cod.: RNM270)

Departamento: Universidad de Granada. Microbiología

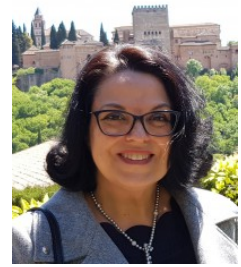
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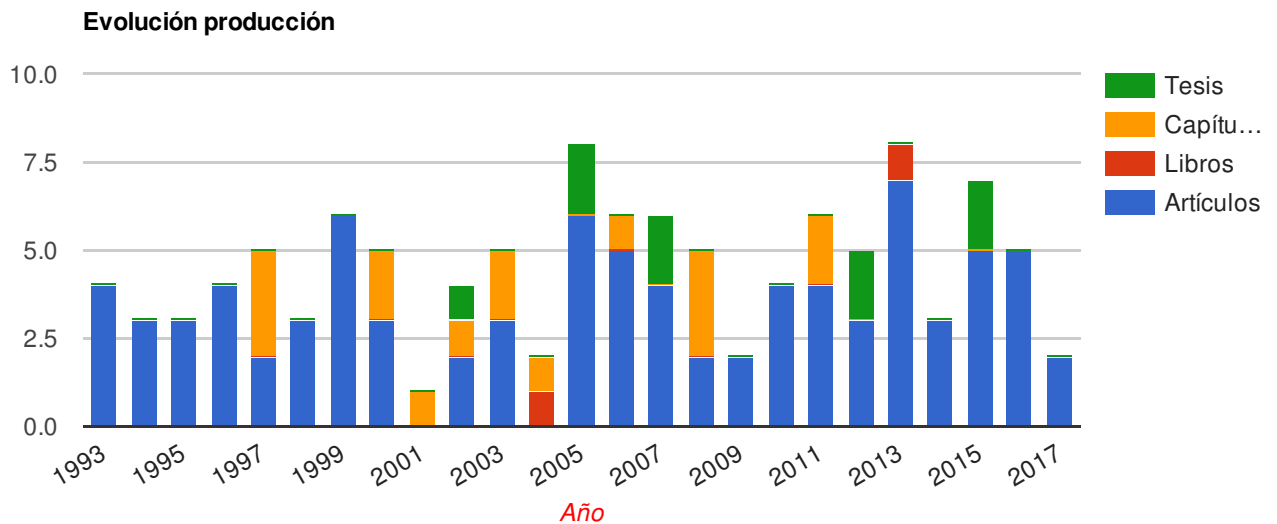
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Ficha del Directorio

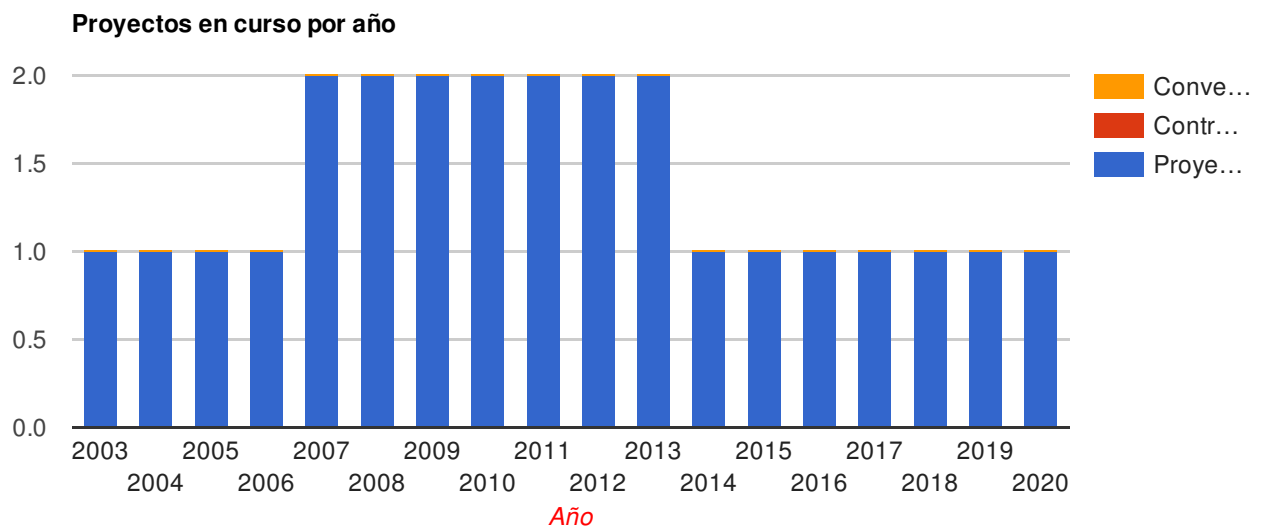
Producción 112

Artículos (85) Libros (2) Capítulos de Libros (16) Tesis dirigidas (9)



Proyectos dirigidos 3

Proyectos (3) Contratos (0) Convenios (0)



Actividades 1

Titulo publicación	Fuente	Tipo	Fecha
Full-scale photobioreactor for biotreatment of olive washing water: structure and diversity of the microalgae-bacteria consortium	Bioresource technology	Articulo	2017
Impact of solar radiation exposure on phyllosphere bacterial community of pigmented baby lettuce.	Food microbiology	Articulo	2017
Community structure, population dynamics and diversity of fungi in a full-scale membrane bioreactor (mbr) for urban wastewater treatment.	Water research	Articulo	2016
Influence of salinity on fungal communities in a submerged fixed bed bioreactor for wastewater treatment.	Chemical engineering journal	Articulo	2016
Interlinkages between bacterial populations dynamics and the operational parameters in a moving bed membrane bioreactor treating urban sewage	Water research	Articulo	2016
Study of bacterial community structure and diversity during the maturation process of a therapeutic peloid.	Applied clay science	Articulo	2016
The ratio of metabolically active versus total mycolata populations triggers foaming in a membrane bioreactor.	Water research	Articulo	2016
454-pyrosequencing analysis of bacterial communities from autotrophic nitrogen removal bioreactors utilizing universal primers: effect of annealing temperature	Biomed research international	Articulo	2015
Bacterial community structure of a coastal area in kandalaksha bay, white sea, russia: possible relation to tidal hydrodynamics	Annals of microbiology	Articulo	2015
Diversidad de microorganismos filamentosos en un biorreactor de membrana sumergida (mbr) para el tratamiento del agua residual urbana: relación entre la estructura de las comunidades microbianas y las variables del sistema	Universidad de granada. facultad de farmacia	Tesis doctoral	2015
Diversidad de microorganismos filamentosos en un biorreactor de membrana sumergida (mbr) para el tratamiento del agua residual urbana: relación entre la estructura de las comunidades microbianas y las variables del sistema	Universidad de granada	Tesis doctoral	2015
Effect of salinity on nitrification efficiency and structure of ammonia-oxidizing bacterial communities in a submerged fixed bed bioreactor	Chemical engineering journal	Articulo	2015
Linking operation parameters and environmental variables to population dynamics of mycolata in a membrane bioreactor	Bioresource technology	Articulo	2015
Nitrogen removal in a moving bed membrane bioreactor for municipal sewage treatment: community differentiation in attached biofilm and suspended biomass	Chemical engineering journal	Articulo	2015
Exploring the links between population dynamics of total and active bacteria and the variables influencing a full-scale membrane bioreactor (mbr).	Bioresource technology	Articulo	2014
Microbial community dynamics in a submerged fixed bed bioreactor during biological treatment of saline urban wastewater.	Ecological engineering	Articulo	2014
Quantitative response of nitrifying and denitrifying communities to environmental variables in a full-scale membrane bioreactor.	Bioresource technology	Articulo	2014
Bacterial communities' structure in a high mountain lake during the ice-free season: cultural and pcr-tgge investigations	International journal of environmental research	Articulo	2013
Beneficial plant-microbe interactions: ecology and applications	Crc press	Libros	2013
Biodegradation of olive washing wastewater pollutants by highly efficient phenol-degrading strains selected from adapted bacterial community	International biodeterioration & biodegradation	Articulo	2013
Bioremediation of diesel-polluted soil using biostimulation as			

post-treatment after oxidation with fenton-like reagents: assays in a pilot plant	Science of the total environment	Articulo	2013
Comparative analysis of the enzyme activities and the bacterial community structure based on the aeration source supplied to an mbr to treat urban wastewater	Journal of environmental management	Articulo	2013
Enzymatic activities in a moving bed membrane bioreactor for real urban wastewater treatment: effect of operational conditions	Ecological engineering	Articulo	2013
Linking hydrolytic activities to variables influencing a submerged membrane bioreactor (mbr) treating urban wastewater under real operating conditions	Water research	Articulo	2013
Prevalence of nitrosomonas cluster 7 populations in the ammonia oxidizing community of a submerged membrane bioreactor treating urban wastewater under different operation conditions.	Bioprocess and biosystems engineering	Articulo	2013
Bacterial community structure and enzyme activities in a membrane bioreactor (mbr) using pure oxygen as an aeration source.	Bioresource technology	Articulo	2012
Comparative analysis of the bacterial diversity in a lab-scale moving bed biofilm reactor (mbbr) applied to treat urban wastewater under different operational conditions	Bioresource technology	Articulo	2012
Effect of salinity on enzymatic activities in a submerged fixed bed biofilm reactor for municipal sewage treatment	Bioresource technology	Articulo	2012
Estudio de la microbiota involucrada en los procesos depuradores para el tratamiento de aguas residuales urbanas mediante reactores de membrana (mbr) y reactores de biopelícula (mbbr)	Universidad de granada	Tesis doctoral	2012
Tratamiento de agua residual urbana con salinidad variable	Universidad de granada	Tesis doctoral	2012
Analysis of microbial communities developed on the fouling layers of a membrane-coupled anaerobic bioreactor applied to wastewater treatment.	Bioresource technology	Articulo	2011
Biofilm formation and microbial activity in a biofilter system in the presence of mtbe, etbe and tame	Chemosphere	Articulo	2011
Characterization of bacterial communities exposed to cr (iii) and pb (ii) in submerged fixed-bed biofilms for groundwater treatment.	Ecotoxicology	Articulo	2011
Microbial diversity of biofilm technologies used for water treatment	Advances in medicine and biology	Capítulo de libro	2011
Submerged filter biofilm formation by nitrate-contaminated groundwater microbiota	Journal of environmental science and health. part a: toxic hazardous substances and environmental engineering	Articulo	2011
Usos de los lodos en la agricultura: implicaciones ambientales	Fundamentos y aplicaciones agroambientales de las interacciones beneficiosas plantas-microorganismos	Capítulo de libro	2011
Influence of linear alkylbenzene sulfonate (las) on the structure of alphaproteobacteria, actinobacteria, and acidobacteria communities in a soil microcosm.	Environmental science and pollution research	Articulo	2010
Metabolic characterization of a strain (bm90) of delftia tsuruhatensis showing highly diversified capacity to degrade low molecular weight phenols.	Biodegradation	Articulo	2010
Microbial enzymatic activities in a pilot-scale mbr experimental plant under different working conditions	Bioresource technology	Articulo	2010

Structure of archaeal communities in membrane-bioreactor and submerged-biofilter wastewater treatment plants.	Bioresource technology	Articulo	2010
Microbial community structure and dynamics in a pilot-scale submerged membrane bioreactor aerobically treating domestic wastewater under real operation conditions	Science of the total environment	Articulo	2009
Response of soil enzymes to linear alkylbenzene sulfonate (las) addition in soil microcosms	Soil biology & biochemistry	Articulo	2009
A review on the taxonomy and possible screening traits of plant growth promoting rhizobacteria	Plant-bacteria interactions. strategies and techniques to promote plant growth	Capítulo de libro	2008
Effect of linear alkylbenzene sulfonates on the growth of aerobic heterotrophic cultivable bacteria isolated from an agricultural soil	Ecotoxicology	Articulo	2008
Estudios de biotransformación y efectos del sulfonato de alquilbenceno lineal (las) sobre la biodiversidad bacteriana en suelos	Agua y cultura. vii simposio sobre el agua en andalucia	Capítulo de libro	2008
Production of chitinolytic enzymes by a strain (bm17) of paenibacillus pabuli isolated from crab shells samples collected in the east sector of central tyrrhenian sea.	International journal of biological macromolecules	Articulo	2008
Quorum-sensing language in bacteria and its relevance in their interactions with plants	Soil ecology research developments	Capítulo de libro	2008
Dominance of sphingomonads in a copper-exposed biofilm community for groundwater treatment.	Microbiology	Articulo	2007
Efectos biológicos de los sulfonatos de alquilbenceno lineales (las) en suelo agrícola: biotransformación y estudios de biodiversidad	Universidad de granada. microbiología	Tesis doctoral	2007
Effect of the concentration of suspended solids on the enzymatic activities and biodiversity of a submerged membrane bioreactor for aerobic treatment of domestic wastewater	Applied microbiology and biotechnology	Articulo	2007
Estudio de los procesos microbianos implicados en el tratamiento de aguas residuales urbanas mediante biorreactores de membrana sumergida	Universidad de granada. microbiología	Tesis doctoral	2007
Influence of temperature on microbial colonisation of clayey schist as a support media of a submerged filter for groundwater denitrification	Water science and technology	Articulo	2007
Removal of organic load from olive washing water by an aerated submerged biofilter and profiling of the bacterial community involved in the process	Journal of microbiology and biotechnology	Articulo	2007
Analysis of community composition of biofilms in a submerged filter system for the removal of ammonia and phenol from industrial wastewater	Biochemical society transactions	Articulo	2006
El mecanismo de percepción de quorum: importancia en las interacciones simbióticas entre bacterias y plantas leguminosas.	Fijación biológica de nitrógeno: fundamentos y aplicaciones	Capítulo de libro	2006
Growth and denitrifying activity of xanthobacter autotrophicus cect 7064 in the presence of selected pesticides	Applied microbiology and biotechnology	Articulo	2006
Influence of pesticides and herbicides presence on phosphatase activity and selected bacterial microbiota of a natural lake system	Ecotoxicology	Articulo	2006
Selection and identification of bacteria isolated from waste crude oil with polycyclic aromatic hydrocarbons removal capacities	Systematic and applied microbiology	Articulo	2006
Tgge analysis of the diversity of ammonia-oxidizing and denitrifying bacteria in submerged filter biofilms for the treatment of urban wastewater	Applied microbiology and biotechnology	Articulo	2006
Caracterización a nivel genético y molecular de la producción			

Caracterización a nivel genético y molecular de la producción de bacteriocina por rhizobium leguminosarum bv. viciae cepa z25	Universidad de granada. microbiología	Tesis doctoral	2005
Denitrifying activity of xanthobacter autotrophicus strains isolated from a submerged fixed-film reactor.	Applied microbiology and biotechnology	Articulo	2005
Eliminación de metales pesados de aguas subterráneas mediante sistemas de lechos sumergidos: estudio microbiológico de las biopelículas	Universidad de granada. microbiología	Tesis doctoral	2005
Growth and denitrifying activity of xanthobacter autotrophicus cect 7064 in the presence of selected pesticides	Applied microbiology and biotechnology	Articulo	2005
Identification of bacteria isolated from an oligotrophic lake with pesticide removal capacities	Ecotoxicology	Articulo	2005
Liberation of amino acids by heterotrophic nitrogen fixing bacteria.	Amino acids	Articulo	2005
Paenibacillus wynnii sp. nov., a new species harbouring the nifh gene, isolated from alexander island, antarctica	International journal of systematic and evolutionary microbiology	Articulo	2005
Production of amino acids by azotobacter vinelandii and azotobacter chroococcum with phenolic compounds as sole carbon source under diazotrophic and adiazotrophic conditions	Amino acids	Articulo	2005
Nuevos confines de la fijación biológica de nitrógeno	Editorial universidad de granada	Libros	2004
Pesticides and denitrifying microbiota.	Trends in soil science, vol. iiii	Capítulo de libro	2004
Analysis of the diversity of ammonia oxidizing and denitrifying bacteria in submerged filter biofilms for the treatment of urban wastewater by temperature-gradient gel electrophoresis	European symposium on environmental biotechnology, eseb 2004	Capítulo de libro	2003
Diversity of bacteria isolated from waste crude oil samples. production of bioemulsifiers and removal of polycyclic aromatic hydrocarbons in a land farming treatment inoculated with a microbial consortium.	European symposium on environmental biotechnology, eseb 2004	Capítulo de libro	2003
Growth and nitrite and nitrous oxide accumulation of paracoccus denitrificans atcc 19367 in the presence of selected pesticides	Environmental toxicology and chemistry	Articulo	2003
Linear alkylbenzene sulfonates (las) and soil microbial activity	Journal of food, agriculture and environment	Articulo	2003
Response of soil microbiota to the addition of 3,3'-diaminobenzidine	Applied soil ecology	Articulo	2003
D,I-hydantoinase activity of an ochrobactrum anthropi strain.	Journal of applied microbiology	Articulo	2002
Efecto de las sustacias xenobióticas (plaguicidas) sobre el crecimiento y actividad biológica de la microbiota bacteriana presente en un sistema endorreico	Universidad de granada. microbiología	Tesis doctoral	2002
Effects of culture conditions on the production of polyhydroxyalkanoates by azotobacter chroococcum h23 in media containing a high concentration of alpechin (wastewater from olive oil mills) as primary carbon source	Journal of biotechnology	Articulo	2002
Molecular basis of bacteriocin production by rhizobium	Recent research developments in molecular microbiology	Capítulo de libro	2002
Behaviour of a nitrifying and denifying submerged filters in the treatment of urban wastewater	Current studies of biotechnology	Capítulo de libro	2001
Effects of benzidine and benzidine analogues on the growth and nitrogenase activity of azotobacter	Applied soil ecology	Articulo	2000
Factors secreted by rhizobium leguminosarum and their role in the symbiosis with legumes	Biology of plant-microbe interactions	Capítulo de libro	2000
Production of b-group vitamins by two azotobacter strains with phenolic compounds as sole carbon source under diazotrophic	Journal of applied microbiology	Articulo	2000

and adiazotrophic conditions			
Production of phytohormones by free-living nitrogen fixing bacteria	Azotobacter in sustainable agriculture	Capítulo de libro	2000
The regulatory locus cinri in rhizobium leguminosarum controls a network of quorum-sensing loci	Molecular microbiology	Artículo	2000
Analysis of quorum-sensing-dependent control of rhizosphere-expressed (rhi) genes in rhizobium leguminosarum bv. viceae	Journal of bacteriology	Artículo	1999
Effect of some herbicides on the production of lysine by azotobacter chroococcum	Amino acids	Artículo	1999
Influence of rhizobium/azotobacter and rhizobium/azospirillum combined inoculation on mineral composition of faba bean (vicia faba l.)	Biology and fertility of soils	Artículo	1999
Influence of the insecticides profenofos and diazinon on the microbial activities of azospirillum brasilense	Chemosphere	Artículo	1999
Production of b-group vitamins by two rhizobium strains in chemically defined media	Journal of applied microbiology	Artículo	1999
Response of faba bean (vicia faba l.) to combined inoculation with azotobacter and rhizobium leguminosarum bv. viceae	Applied soil ecology	Artículo	1999
Effects of the fungicide captan on some functional groups of soil microflora.	Applied soil ecology	Artículo	1998
Response of azospirillum brasilense to the pesticides bromopropylate and methidathion on chemically defined media and dialysed-soil media	Ecotoxicology	Artículo	1998
Symbiotic effectiveness and bacteriocin production by rhizobium leguminosarum bv viceae isolated from agricultural soils in spain	Applied soil ecology	Artículo	1998
Chlorpyrifos and soil microbial activity	Ecological issues and environmental impact assessment	Capítulo de libro	1997
Effect of simazine on the production of lysine and methionine by azotobacter chroococcum and azotobacter vinelandii	Amino acids	Artículo	1997
Effect of the herbicide simazine on vitamin production by azotobacter chroococcum and azotobacter vinelandii	Applied soil ecology	Artículo	1997
Production of vitamins by soil diazotrophic microorganisms	Recent research development in soil biology and biochemistry	Capítulo de libro	1997
Simazine and soil microbial activity	Trends in soil science	Capítulo de libro	1997
Enhancement of nodulation, n-2-fixation and growth of faba bean (vicia faba l.) by combined inoculation with rhizobium leguminosarum bv viceae and azospirillum brasilense	Symbiosis (philadelphia, pa.)	Artículo	1996
Production of pantothenic acid and thiamine by azotobacter vinelandii in a chemically defined medium and a dialysed soil medium	Biology and fertility of soils	Artículo	1996
Production of polyhydroxyalkanoates by azotobacter chroococcum h23 in wastewater from olive oil mills (alpechin)	International biodeterioration & biodegradation	Artículo	1996
Studies on the effects of the herbicide simazine on microflora of four agricultural soils	Environmental toxicology and chemistry	Artículo	1996
Effect of chlorpyrifos on soil microbial activity	Environmental toxicology and chemistry	Artículo	1995
Effects of the fungicides maneb and mancozeb on soil enzyme activities	Toxicological & environmental chemistry	Artículo	1995
Production of poly-b-hydroxybutirate by azotobacter chroococcum h23 in chemically-defined media and alpechín media	Journal of applied microbiology	Artículo	1995

media

Diflubenzuron and the biological-activity of azospirillum-brasilense	Toxicological & environmental chemistry	Articulo	1994
Effects of fungicides maneb and mancozeb on soil microbial populations.	Toxicological & environmental chemistry	Articulo	1994
Effects of the herbicide alachlor on soil microbial activities	Ecotoxicology	Articulo	1994
Production of vitamins by azospirillum brasilense in chemically-defined media	Plant and soil	Articulo	1993
Response of soil microflora to the insecticides fonofos and parathion	Toxicological & environmental chemistry	Articulo	1993
Studies on the effects of a chlorinated hydrocarbon insecticide, lindane, on soil microorganisms	Chemosphere	Articulo	1993
Studies on the effects of the insecticides phorate and malathion on soil microorganisms	Environmental toxicology and chemistry	Articulo	1993

	Título proyecto	Tipo	Inicio	Fin
1	Relación estructura-función de comunidades procariotas en sistemas de tratamiento avanzado del agua residual urbana bajo condiciones reales de operación.	Proyecto	1/1/11	12/31/13
2	Efecto de la concentración de biomasa y temperatura sobre las actividades enzimáticas y comunidades microbianas en biorreactores de membrana sumergida (mbr)	Proyecto	10/1/07	9/30/10
3	Efectos biológicos de los sulfonatos de alquilbenceno lineales (las) en suelo agrícola: biotransformación anaeróbica y estudios de biodiversidad	Proyecto	12/31/03	

Actividades 1

Título actividad	Fuente	Tipo	Fecha
Miembro del panel de expertos de la anep		Experiencia en evaluación	Jan 1, 2011

Colaboradores

- JESÚS GONZÁLEZ LÓPEZ (96)
- CLEMENTINA POZO LLORENTE (47)
- MARÍA J. BELÉN JUAREZ JIMÉNEZ (13)
- RAMIRO VILCHEZ VARGAS (13)
- CONCEPCIÓN CALVO SAINZ (10)
- JOSÉ MANUEL POYATOS CAPILLA (10)
- M. ANGEL GÓMEZ NIETO (8)
- PATRICIA REBOLEIRO RIVAS (7)
- CINTA GÓMEZ SILVÁN (6)
- ALEJANDRO GONZÁLEZ MARTÍNEZ (5)
- JAIME MARTÍN PASCUAL (4)
- PAULA MAZA MARQUEZ (4)
- Chiara Pesciaroli (3)
- JESSICA PURSWANI (3)
- JUAN ARÉVALO VILCHES (3)
- ALMUDENA DE LA RUA RUIZ (2)
- ANGEL FERMIN RAMOS RIDAO (2)
- MAXIMINO MANZANERA RUIZ (2)
- CARMEN LLUCH PLA (1)
- CAROLA AGUZZI (1)
- CRISTINA LOPEZ LOPEZ (1)
- CÉSAR VISERAS IBORRA (1)
- ELIZABET ARANDA BALLESTEROS (1)
- FRANCISCO ALEJANDRO RODRÍGUEZ ÍÑIGUEZ (1)
- FRANCISCO OSORIO ROBLES (1)
- GLORIA ANDREA SILVA CASTRO (1)
- JORGE IGNACIO PÉREZ PÉREZ (1)