

# JOSE MARIA ARIAS PEÑALVER

Grupo de Investigación: MIXOBACTERIAS (Cod.: BIO103)

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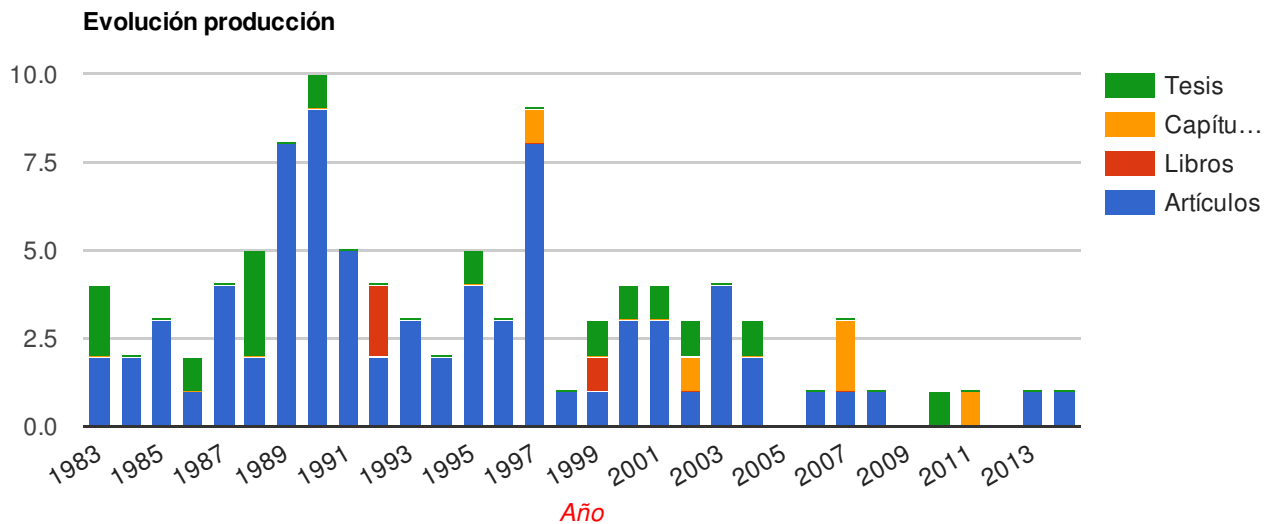
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Ficha del Directorio

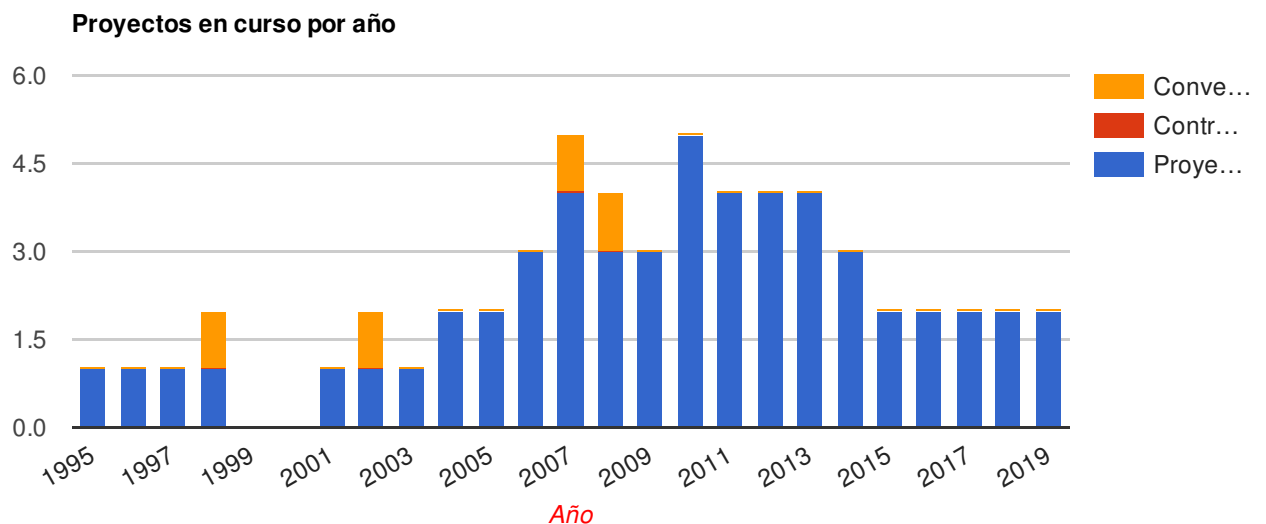
## Producción 100

Artículos (78) Libros (3) Capítulos de Libros (5) Tesis dirigidas (14)



## Proyectos dirigidos 11

Proyectos (8) Contratos (0) Convenios (3)



## Actividades 0

<b>Título publicación</b>	<b>Fuente</b>	<b>Tipo</b>	<b>Fecha</b>
Biosorption and biomineralization of u(vi) by the marine bacterium, <i>Idiomarina loihiensis</i> mah1: effect of background electrolyte and ph	Plos one	Artículo	2014
Chemical purity of <i>Shewanella oneidensis</i> -induced magnetites	Geomicrobiology journal	Artículo	2013
<i>Myxococcus xanthus</i> colony calcification: an study to better understand the processes involved in the formation of this stromatolite-like structure	Advances in stromatolite geobiology. lecture notes in earth sciences(Ines)	Capítulo de libro	2011
<i>Idiomarina loihiensis</i> mah1: estudios de su capacidad carbonatogénica y de fijación de lantánidos y actínidos	Universidad de granada. microbiología	Tesis doctoral	2010
Ca-mg kutnahorite and struvite production by <i>Idiomarina</i> strains at modern seawater salinities	Chemosphere	Artículo	2008
Biomineralization induced by myxobacteria	Communicating current research and educational topics and trends in applied microbiology. microbiology book series	Capítulo de libro	2007
Fijación de plata por biomasa de <i>Myxococcus xanthus</i>	Homenaje al profesor don Fermín Capitán : investigación actual en la escuela analítica de granada	Capítulo de libro	2007
Spectroscopic and microscopic characterization of uranium biomineralization in <i>Myxococcus xanthus</i>	Geomicrobiology journal	Artículo	2007
Biotransformations of ent-18-acetoxy-6-ketomanoyl oxides epimers at C-13 with filamentous fungi	Phytochemistry	Artículo	2006
Biotransformation of ent-13-epi-manoyl oxides difunctionalized at C-3 and C-12 by filamentous fungi	Phytochemistry	Artículo	2004
Interrelaciones entre <i>Myxococcus xanthus</i> y metales pesados: aspectos básicos y posibles aplicaciones	Universidad de granada. microbiología	Tesis doctoral	2004
Precipitation and growth morphology of calcium carbonate induced by live and dead <i>Myxococcus xanthus</i> : implications for bacterial carbonate recognition of bacterial carbonates	Journal of sedimentary research. section a, sedimentary petrology and processes	Artículo	2004
Lanthanum fixation by <i>Myxococcus xanthus</i> : cellular location and extracellular polysaccharide observation	Chemosphere	Artículo	2003
Lanthanum fixation by <i>Myxococcus xanthus</i> : cellular location and extracellular polysaccharide observation	Chemosphere	Artículo	2003
Phor1, a gene encoding a new histidine protein kinase in <i>Myxococcus xanthus</i>	Antonie van Leeuwenhoek	Artículo	2003
Precipitation of barite by <i>Myxococcus xanthus</i> : possible implications for the biogeochemical cycle of barium	Applied and environmental microbiology	Artículo	2003
Behavior of myxobacteria under different stress conditions	Microbial development under environmental stress	Capítulo de libro	2002
Estudio fenotípico del mutante <i>dzf1</i> $\Delta$ de <i>Myxococcus xanthus</i> y de su capacidad biomineralizadora	Universidad de granada. microbiología	Tesis doctoral	2002
Mlpb, a gene encoding a new lipoprotein in <i>Myxococcus xanthus</i> .	Journal of applied microbiology	Artículo	2002
Biotransformation of 4 beta-hydroxyeudesmane-1,6-dione by <i>Gliocladium roseum</i> and <i>Exserohilum halodes</i>	Phytochemistry	Artículo	2001
Estudios del gen <i>phor1</i> de <i>Myxococcus xanthus</i>	Universidad de granada. microbiología	Tesis doctoral	2001
Glycerol 3-phosphate inhibits swarming and aggregation of <i>Myxococcus xanthus</i>	Journal of bacteriology	Artículo	2001

Silver sorption to myxococcus xanthus biomass	Geomicrobiology journal	Articulo	2001
Bacterially induced mg-calcite formation: role of mg <sup>2+</sup> in development of crystal morphology	Journal of sedimentary research. section a, sedimentary petrology and processes	Articulo	2000
Chemical semisynthesis and biotransformation with rhizopus nigricans of several sesquiterpenes: obtention of new 1 alpha- and 2 alpha-hydroxyselinane derivatives	Tetrahedron	Articulo	2000
Producción de diversos minerales por núcleos heterogéneos de cristalización aportados por myxococcus xanthus y comparación con otros microorganismos	Universidad de granada. microbiología	Tesis doctoral	2000
Regioselective enzymatic acylations of polyhydroxylated eudesmanes: semisynthesis, theoretical calculations, and biotransformation of cyclic sulfites	Journal of organic chemistry	Articulo	2000
Biadsorción de metales por myxococcus xanthus	Universidad de granada	Libros	1999
Biadsorción de metales por myxococcus xanthus	Universidad de granada. microbiología	Tesis doctoral	1999
Biosorption of heavy metals by myxococcus xanthus	Wissenschaftlich-technische berichte	Articulo	1999
Biotransformation of shiromool derivatives by rhizopus nigricans cultures: chemical-microbiological synthesis of michelenolide analogues	Tetrahedron	Articulo	1998
Apuntes de una vida: cronología profesional	Homenaje al profesor d. enrique montoya gomez	Capítulo de libro	1997
Biosorption of uranium by myxococcus xanthus	International biodeterioration & biodegradation	Articulo	1997
Biosorption of uranium by myxococcus xanthus	International biodeterioration & biodegradation	Articulo	1997
Biotransformacion de ent-atisenes and ent-beyerenes by rhizopus nigricans and fusarium moniliforme cultures	Journal of natural products	Articulo	1997
Biotransformation of ent-6 alpha-acetoxy- and ent-6-ketomanoyl oxides with rhizopus nigricans and curvularia lunata cultures	Phytochemistry	Articulo	1997
Comparative heavy metal biosorption study of brewery yeast and myxococcus xanthus biomass	Chemosphere	Articulo	1997
Comparative heavy metal biosorption study of brewery yeast and myxococcus xanthus biomass	Chemosphere	Articulo	1997
Enrique montoya (1928-1996), una vida dedicada a la docencia y a la investigación	Microbiologia sem: the official journal of the spanish society for microbiology	Articulo	1997
Extracellular bacterial mineralization within the context of geomicrobiology	Microbiologia sem: the official journal of the spanish society for microbiology	Articulo	1997
Brewery yeast as a biosorbent for uranium	Journal of applied bacteriology	Articulo	1996
Morphological diversity of struvite crystals produced by myxococcus coralloides and myxococcus xanthus	Toxicological & environmental chemistry	Articulo	1996
Struvite and calcite crystallization induced by cellular membranes of myxococcus xanthus	Journal of crystal growth	Articulo	1996
Myxococcus-xanthus killed cells as inducers of struvite crystallization - its possible role in the biomineralization processes	Chemosphere	Articulo	1995
New polyoxygenated ent-13-manoyl oxides obtained by biotransformation with filamentous fungi	Journal of natural products	Articulo	1995
Produccion de estruvita y otras formas cristalinas por myxococcus coralloides d	Universidad de granada. microbiología	Tesis doctoral	1995

myxococcus coralloides d		doctoral	
Protein kinases and phosphatases during the developmental cycle of myxobacteria	Microbiologia sem: the official journal of the spanish society for microbiology	Articulo	1995
Preparation of polyoxygenated ent-13-epi-manoyl oxides by chemical-microbiological semisyntheses	Phytochemistry	Articulo	1995
Effects of ph and phosphate on the production of struvite by myxococcus-xanthus	Geomicrobiology journal	Articulo	1994
Production of syngenetic minerals with struvite by myxococcus-coralloides d	Geomicrobiology journal	Articulo	1994
Dnase activity during the life-cycle of myxococcus-coralloides and m-xanthus	Soil biology & biochemistry	Articulo	1993
Effect of specific inhibitors on the dnases produced by myxococcus-coralloides d	Microbios	Articulo	1993
Struvite production by myxococcus-coralloides d	Chemosphere	Articulo	1993
An electron-microscope study of crystals generated by a myxobacterium	Journal of electron microscopy	Articulo	1992
Electron microscopy 92 vol iii biological sciences	Servicio de publicaciones de la universidad de granada	Libros	1992
Electron microscopy 92. volume i. general	Secretariado de publicaciones de la universidad de granada	Libros	1992
Phosphate mediation in the autolysis of myxococcus xanthus	Microbios	Articulo	1992
Biotransformation of 6 $\beta$ -eudesmanolides functionalized at c-3 with curvularia lunata and rhizopus nigricans cultures	Tetrahedron	Articulo	1991
Chemical-microbiological synthesis of 6b-eudesmanolides by curvularia lunata cultures from eudesmanes with functions at c-1 and c-6	Tetrahedron	Articulo	1991
Chemical-microbiological synthesis of 6b-eudesmanolides from 11-hydroxyl derivatives: synthesis of 6b-dendroserins by rhizopus nigricans	Tetrahedron letters	Articulo	1991
Deoxyribonuclease activities in myxococcus coralloides d	Journal of applied bacteriology	Articulo	1991
Phosphatase activity during development cycle of myxococcus xanthus	Canadian journal of microbiology	Articulo	1991
Biotransformation of ent-13-epi- and ent-manoyl oxides by rhizopus nigricans cultures	Journal of the chemical society. perkin transactions. i	Articulo	1990
Biotransformation of highly substituted ent-kaur-enes by rhizopus nigricans	Phytochemistry	Articulo	1990
Changes in myxococcus xanthus pigments induced by phosphate and temperature	Letters in applied microbiology	Articulo	1990
Estudios sobre la producción de amilasa por myxococcus coralloides d	Universidad de granada. microbiología	Tesis doctoral	1990
In situ assay of myxococcus coralloides phosphatases	Microbios	Articulo	1990
Isolation and characterization of bacteriophages from myxococcus virescens	Microbios	Articulo	1990
Microbial transformation of an ent-13-epi-manoyl oxide by curvularia lunata: a possible route to the synthesis of ent-forskolin analogues	Journal of chemical research	Articulo	1990
Microbial transformation of tetracyclic diterpenes: conversion of ent-kaurenones by curvularia lunata and rhizopus strains	Journal of natural products	Articulo	1990
Microbial transformations of 6b-acetoxyeudesmenes by curvularia lunata	Journal of natural products	Articulo	1990

Polyphosphate glucokinase and atp glucokinase activities in myxococcus coralloides d	Archives of microbiology	Articulo	1990
Adenylate charge in the life cycle of myxococcus coralloides d	Fems microbiology letters	Articulo	1989
Adenylate energy charge during the life cycle of myxococcus coralloides d	Fems microbiology letters	Articulo	1989
Deoxyribonuclease and phosphataseactivities in myxobacteria	Microbios	Articulo	1989
Desoxyribonuclease and phosphatase activities in myxobacteria	Microbios	Articulo	1989
Polyphosphate and orthophosphate content during the life cycle of myxococcus coralloides d	Fems microbiology letters	Articulo	1989
Polyphosphate and ortophosphate content during the life cycle of myxococcus coralloides d	Fems microbiology letters	Articulo	1989
Production of acid and alkaline phosphatases by myxococcus coralloides	Folia microbiologica (prague)	Articulo	1989
Production of acid and alkaline phosphatases by myxococcus coralloides	Folia microbiologica (prague)	Articulo	1989
Biotransformations of diterpenes: conversion of ent-13-epi-manoyl oxides by rhizopues nigricans cultures	Journal of chemical research	Articulo	1988
Chemical-microbiological syntheses of 6b-eudesmanolides: incubation of 6b-acetoxyeudesmanes by curvularia lunata	Tetrahedron letters	Articulo	1988
De las fosfatasas y sobre aspectos del metabolismo del fosfato en myxococcus coralloides d	Universidad de granada. microbiología	Tesis doctoral	1988
Estudio de las fosfatasas y de aspectos del metabolismo del fósforo en myxococcus coralloides d	Universidad de granada. microbiología	Tesis doctoral	1988
Producción, actividad biológica y actividad in vivo de los antibióticos producidos por myxococcus coralloides d	Universidad de granada. microbiología	Tesis doctoral	1988
Biological properties of the phage tail-like particles from myxococcus coralloides d	Fems microbiology letters	Articulo	1987
Induction, purification and some properties of phage tail-like particles from myxococcus coralloides d	Microbios	Articulo	1987
Microbial transformations of sesquiterpenoids: conversion of deoxyvulgarin by rhizopus nigricans and aspergillus ochraceous	Journal of the chemical society. perkin transactions. i	Articulo	1987
Phosphatase activities in the life cyclye of myxococcus coralloides d	Journal of general microbiology	Articulo	1987
Estudios sobre fagos y particulas similares a colas de fago de myxococcus coralloides d	Universidad de granada. microbiología	Tesis doctoral	1986
Microbial transformation of tetracyclic diterpenes: conversion of ent kaurenones by aspergillus niger	Journal of natural products	Articulo	1986
: lysis induced by uncoupling agents in myxococcus coralloides d	Fems microbiology letters	Articulo	1985
Microbial transformation of tetracyclic diterpenes: conversion of ent beyer 15 enes by rhizopus nigricans cultures	Journal of natural products	Articulo	1985
Relationship between several cellular functions and the autolysis of myxococcus coralloides in different physiological and culture conditions	Microbios letters	Articulo	1985
Microbial transformation of tetraciclic diterpenes: conversion of kauranols and kauranones by rhizopus nigricans	Journal of natural products	Articulo	1984

Production and properties of a bacteriocin from myxococcus coralloides d	Journal of applied bacteriology	Articulo	1984
Aportaciones al estudio de la autolisis de myxococcus coralloides d	Universidad de granada. microbiología	Tesis doctoral	1983
Aportaciones al estudio de la autolisis en myxococcus coralloides d	Universidad de granada. microbiología	Tesis doctoral	1983
Detection of ppgpp in myxococcus coralloides d vegetative cells	Fems microbiology letters	Articulo	1983
Evidences for an activating substance related to autolisis in m. coralloide	Archives of microbiology	Articulo	1983

	<b>Título proyecto</b>	<b>Tipo</b>	<b>Inicio</b>	<b>Fin</b>
1	Utilización de lodos urbanos de depuradoras para la producción de biofertilizantes líquidos (te de compost). valorización del bioresiduo	Proyecto	1/1/10	1/1/14
2	Descontaminación microbiológica de fosfoyesos contaminados por uranio y cadmio	Proyecto	10/1/10	9/30/13
3	Biomíneralización inducida por myxococcus xanthus. participación bacteriana en la producción de carbonatos y estudio de posibles indicadores de su naturaleza biogénica.	Proyecto	12/1/07	11/30/10
4	Acción integrada entre la universidad de granada y el forschungszentrum dresden-rossendorf (dresden, alemania)	Convenio	7/1/07	6/30/08
5	Estudio de las bases microbiológicas y edafológicas para la correcta utilización de lodos de depuradoras en la agricultura	Proyecto	1/1/07	12/31/07
6	Estudio de las bases microbiológicas y edafológicas para la correcta utilización de lodos de depuradoras en la agricultura	Proyecto	1/1/06	12/31/06
7	Uranium complexes formed by different bacteria isolated from uranium mining waste piles: molecular and spectroscopic studies	Convenio	12/17/02	12/17/02
8	Determinación de la potencia desinfectante en jabones	Convenio	1/1/98	1/31/98
9	Caracterización de los genes que codifican proteínas con actividad fosfatasa en myxococcus xanthus	Proyecto	1/1/95	1/1/98
10	Biomíneralización inducida por mixobacterias. participación bacteriana en procesos de carbonatogénesis y de calcificación celular y papel de los componentes estructurales bacterianos en la mineralización	Proyecto	12/28/01	
11	Bacterial s-layers as templates for formation of metallic nanoparticles for nanotechnological application	Proyecto	6/30/04	

## Actividades 0

<b>Título actividad</b>	<b>Fuente</b>	<b>Tipo</b>	<b>Fecha</b>
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## Colaboradores

- MARIA TERESA GONZALEZ MUÑOZ (30)
- ANDRES GARCIA-GRANADOS LOPEZ DE HIERRO (23)
- ANTONIO RAMÓN MARTINEZ RODRIGUEZ (20)
- JOSE MUÑOZ DORADO (20)
- FRANCISCO DE ASIS RIVAS SANCHEZ (12)
- FRANCISCO GONZÁLEZ GARCÍA (11)
- ANTONIO LUIS EXTREMERA LEON (9)
- MARÍA ANTONIA FERNÁNDEZ VIVAS (8)
- MOHAMED LARBI MERROUN (7)
- ANDRES PARRA SANCHEZ (3)
- CONCEPCION JIMENEZ LOPEZ (3)
- FADWA JROUNDI (3)
- ALBERTO LÓPEZ GALINDO (2)
- ANTONIO RÍOS GUADIX (2)
- AURELIO MORALEDA MUÑOZ (2)
- FRANCISCA MARTÍNEZ RUIZ (2)
- MARIA CONCEPCIÓN DE LINARES FERNÁNDEZ (2)
- CARLOS MANUEL RODRÍGUEZ NAVARRO (1)
- CARMEN VALVERDE TERCEDOR (1)

- GIUSEPPE CULTRONE (1)
- JOSE ANTONIO DOBADO JIMENEZ (1)
- JOSÉ DANIEL MARTÍN RAMOS (1)
- JUANA PÉREZ TORRES (1)
- TERESA PÉREZ GONZÁLEZ (1)