

Ficha de investigador

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

Departamento: Universidad de Granada. Ingeniería Civil

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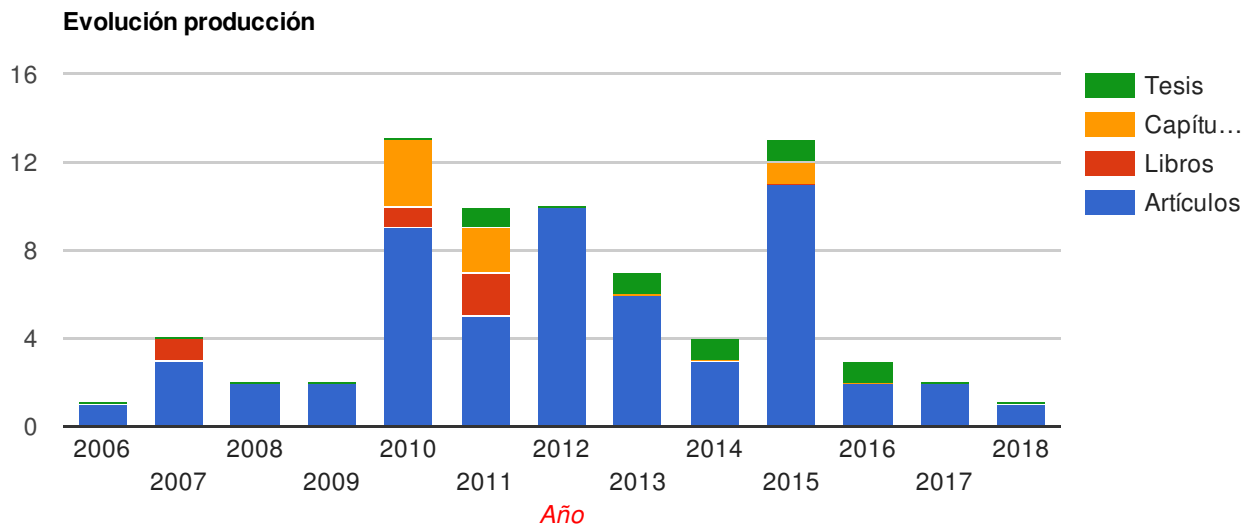
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Ficha del Directorio

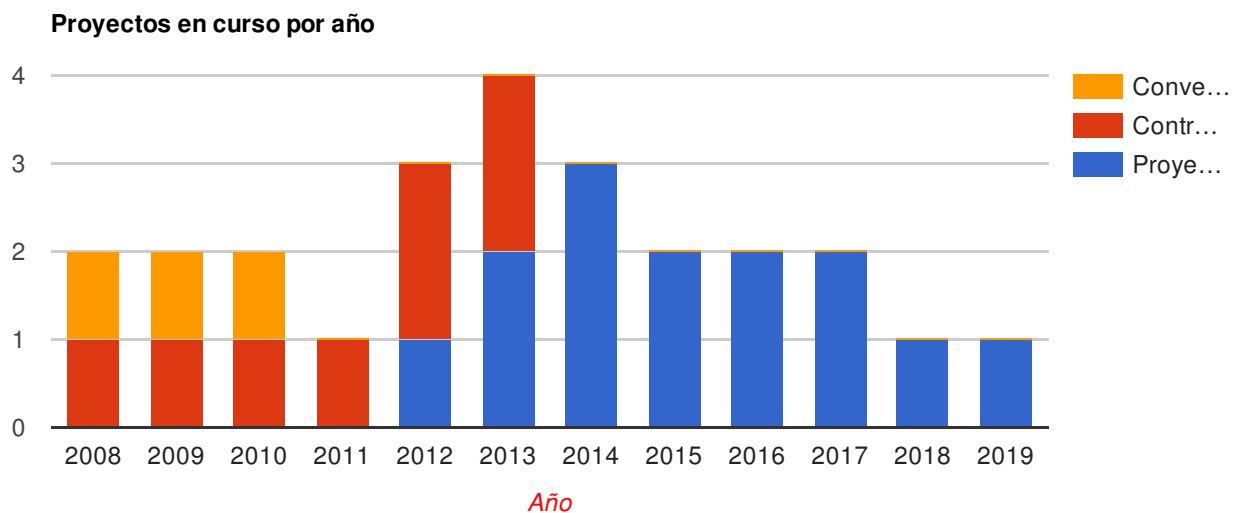
Producción 72

Artículos (57) Libros (4) Capítulos de Libros (6) Tesis dirigidas (5)



Proyectos dirigidos 9

Proyectos (3) Contratos (4) Convenios (2)



Actividades 1

Titulo publicación	Fuente	Tipo	Fecha
Gis environmental information analysis of the darro river basin as the key for the management and hydrological forest restoration	Science of the total environment	Articulo	2018
Optimization of the acid stage of a two-stage anaerobic digestion process to treat urban wastewater sludge		Articulo	2017
Performance and kinetics of membrane and hybrid moving bed biofilm-membrane bioreactors treating salinity wastewater	Aiche journal	Articulo	2017
Interlinkages between bacterial populations dynamics and the operational parameters in a moving bed membrane bioreactor treating urban sewage	Water research	Articulo	2016
Membrane fouling of a hybrid moving bed membrane bioreactor plant to treat real urban wastewater	Chemical engineering and processing: process intensification	Articulo	2016
Procesos físico-químicos de oxidaciones avanzadas (h ₂ o ₂ /uv; fe ₂₊ /h ₂ o ₂ /uv; tio ₂ /h ₂ o ₂ /uv) y la mejora con un sistema de coagulaciónfloculación previo en el tratamiento de aguas residuales para la eliminación de colorantes		Tesis doctoral	2016
Combined treatment of textile wastewater by coagulation¿floculation and advanced oxidation processes	Desalination and water treatment	Articulo	2015
Comparison between a membrane bioreactor, a hybrid moving bed biofilm reactor-membrane bioreactor and a pure moving bed biofilm reactor-membrane bioreactor in wastewater treatment	Panorámica interdisciplinar sobre el agua/panorámica interdisciplinar sobre a auga	Capítulo de libro	2015
Effects of temperature on the permeability and critical flux of the membrane in a moving bed membrane bioreactor	Desalination and water treatment	Articulo	2015
Estudio cinético de biorreactores de membrana con y sin lecho móvil aplicados al tratamiento de aguas residuales urbanas	Ets ingeniería de caminos, canales y puertos de la universidad de granada	Tesis doctoral	2015
Improvement of a conventional activated sludge process using a hybrid moving bed system	Afinidad: revista de quimica teorica y aplicada	Articulo	2015
Isolation and metagenomic characterization of bacteria associated with calcium carbonate and struvite precipitation in a pure moving bed biofilm reactor-membrane bioreactor	Biofouling	Articulo	2015
Kinetic modeling and microbiological study of two-step nitrification in a membrane bioreactor and hybrid moving bed biofilm reactor-membrane bioreactor for wastewater treatment	Chemical engineering journal	Articulo	2015
Kinetic modelling of the toc removal by h ₂ o ₂ /uv, photo-fenton and heterogeneous photocatalysis processes on the treatment of wastewater polluted	International journal of environmental science and technology	Articulo	2015
Kinetic study of the combined processes of a membrane bioreactor and a hybrid moving bed biofilm reactor-membrane bioreactor with advanced oxidation processes as a post-treatment stage for wastewater treatment	Chemical engineering and processing: process intensification	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
Start-up of membrane bioreactor and hybrid moving bed biofilm reactor-membrane bioreactor: kinetic study	Water science and technology	Articulo	2015
Treatment of urban wastewater with pure moving bed membrane bioreactor technoloav at different filling ratios.	Annals of microbioloav	Articulo	2015

membrane bioreactor technology at different filling ratios, hydraulic retention times and temperatures	Journal of microbiology	Articulo	2015
Two-step nitrification in a pure moving bed biofilm reactor-membrane bioreactor for wastewater treatment: nitrifying and denitrifying microbial populations and kinetic modeling	Applied microbiology and biotechnology	Articulo	2015
Comparative kinetics of hybrid and pure moving bed reactor-membrane bioreactors	Ecological engineering	Articulo	2014
Estudio técnico de biorreactores de membrana con lecho móvil aplicados al tratamiento de aguas residuales urbanas	Escuela técnica superior de ingeniería de caminos, universidad de granada. escuela técnica superior de ingeniería de caminos, canales y puertos	Tesis doctoral	2014
Influence of hydraulic retention time on heterotrophic biomass in a wastewater moving bed membrane bioreactor treatment plant	International journal of environmental science and technology	Articulo	2014
Toxic effect of h ₂ o ₂ in h ₂ o ₂ /uv, photo-fenton and heterogeneous photocatalysis (tio ₂ /h ₂ o ₂ /uv) systems to treat textile wastewater	Desalination and water treatment	Articulo	2014
Biorreactores de membrana aplicados al tratamiento de aguas residuales urbanas: influencia de la utilización de oxígeno puro en la aireación del proceso	Universidad de granada. escuela técnica superior de ingeniería de caminos, canales y puertos	Tesis doctoral	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
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
Comparative kinetic study between moving bed biofilm reactor-membrane bioreactor and membrane bioreactor systems and their influence on organic matter and nutrients removal	Biochemical engineering journal	Articulo	2013
Effect of the operative variables on the treatment of wastewater polluted with phthalo blue by h ₂ o ₂ /uv process	Water, air, and soil pollution	Articulo	2013
Effects of scale-up on a hybrid moving bed biofilm reactor membrane bioreactor for treating urban wastewater	Chemical engineering science	Articulo	2013
Enzymatic activities in a moving bed membrane bioreactor for real urban wastewater treatment: effect of operational conditions	Ecological 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 kinetic study of carrier type in a moving bed system applied to organic matter removal in urban wastewater treatment	Water, air, and soil pollution	Articulo	2012
Comparative analysis of the bacterial diversity in a lab-scale moving bed biofilm reactor (mbr) applied to treat urban wastewater under different operational conditions	Bioresource technology	Articulo	2012
Comparison of activated sludge technologies by particle size analysis	Water, air, and soil pollution	Articulo	2012
Influence of filling ratio and carrier type in a moving bed biofilm reactor with pretreatment of electrocoagulation in wastewater treatment	Journal of environmental science and health. part a: toxic hazardous substances and environmental engineering	Articulo	2012
Influence of mixed liquid suspended solids and hydraulic retention time on oxygen transfer efficiency and viscosity in a submerged membrane bioreactor using pure oxygen to supply aerobic conditions	Bioresource technology	Articulo	2012

to supply aerobic conditions			
Influence of pure oxygen or air to supply the aerobic conditions in membrane bioreactor in the recovery of permeability of the membrane	Procedia engineering	Articulo	2012
Influence of the temperature in the permeate flux of the membrane in a membrane bioreactor with moving bed biofilm reactor	Procedia engineering	Articulo	2012
Internal erosion of clayey soils protected by granular filters	Houille blanche	Articulo	2012
Wastewater particle size distribution variation in a real membrane bioreactor plant		Articulo	2012
A model for predicting thm presence in networks of water supply system	Actas de congreso. safety and security engineering 2011	Capítulo de libro	2011
A model for predicting thm presence in networks of water supply system	Wit transactions on the built environment	Articulo	2011
A model for predicting thm presence in networks of water supply system	Safety security engineering iv	Articulo	2011
Advanced methods for the elimination of microorganisms in industrial treatments: potential applicability to wastewater reuse	Water environment research	Articulo	2011
Influencia de los procesos biológicos de depuración en la distribución y tamaño de partículas en tratamientos de aguas residuales urbanas	Universidad de granada. ingeniería civil	Tesis doctoral	2011
Influencia de los procesos biológicos de depuración en la distribución y tamaño de partículas en tratamientos de aguas residuales urbanas	Digibug: repositorio institucional de la universidad de granada	Libros	2011
Kinetic coefficients and factors affecting aeration efficiency as design parameters of mbr	Bioreactors: design, properties and applications	Capítulo de libro	2011
Kinetic study and oxygen transfer efficiency evaluation using respirometric methods in a submerged membrane bioreactor using pure oxygen to supply the aerobic conditions.	Bioresource technology	Articulo	2011
Prácticas de laboratorio y de campo de ingeniería ambiental		Libros	2011
Treatment of effluents polluted by nitrogen with new biological technologies	Recent patents on biotechnology	Articulo	2011
Advanced oxidation processes for wastewater treatment: state of the art	Water, air, and soil pollution	Articulo	2010
Elimination of recalcitrant compounds from industrial wastewater by photo-fenton process	Water recycling and water management	Capítulo de libro	2010
I jornadas sobre innovación docente y adaptación al eees en las titulaciones técnicas	Ed. godel impresores digitales s.l.	Libros	2010
Mentorización del profesorado principiante mediante la creación de un grupo docente interdisciplinar	Formación inicial del profesorado universitario. el papel de los mentores	Capítulo de libro	2010
Microbial enzymatic activities in a pilot-scale mbr experimental plant under different working conditions	Bioresource technology	Articulo	2010
Microbial enzymatic activities in a pilot-scale mbr experimental plant under different working conditions	Bioresource technology	Articulo	2010
Particle size distribution in permeate from a pilot-scale membrane bioreactor systems under actual operating conditions	Particulate science and technology	Articulo	2010
Performance of bench-scale membrane bioreactor under real work conditions using pure oxygen: viscosity and oxygen transfer analysis	Bioprocess and biosystems engineering	Articulo	2010

Structure of archaeal communities in membrane-bioreactor and submerged-biofilter wastewater treatment plants.	Bioresource technology	Articulo	2010
The influence of biofilm treatment systems on particle size distribution in three wastewater treatment plants	Water, air, and soil pollution	Articulo	2010
The influence of biofilm treatment systems on particle size distribution in three wastewater treatment plants.	Water, air, and soil pollution	Articulo	2010
Water disinfection using peracetic acid	Water recycling and water management	Capítulo de libro	2010
Water quality characterization in real biofilm wastewater treatment systems by particle size distribution	Bioresource technology	Articulo	2010
Effect of biomass concentration on the performance of a mbr system: studies of microbial communities	Desalination and water treatment	Articulo	2009
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
Effects of hydraulic retention time, temperature, and mlss concentration on the effluent quality of a membrane bioreactor	Wit transactions on ecology and the environment	Articulo	2008
Flux influence on membrane fouling in a membrane bioreactor system under real conditions with urban wastewater	Journal of environmental science and health. part a: toxic hazardous substances and environmental engineering	Articulo	2008
Biorreactores de membrana aplicados al tratamiento de aguas residuales urbanas y su influencia en la calidad del agua tratada	Universidad de granada	Libros	2007
Effect of th mixed liquor suspended solid on permeate in a membrane bioreactor system applied for the treatment of sewage mixed with wastewater if the milk from the dairy industry.	Journal of environmental science and health. part a: toxic hazardous substances and environmental engineering	Articulo	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
Potabilización de aguas mediante membranas de ultrafiltración.	Tecnología del agua	Articulo	2007
Reactores biológicos de membranas sumergidas en la depuración de aguas residuales urbanas	Infoenviro	Articulo	2006

	Título proyecto	Tipo	Inicio	Fin
1	Tratamiento de agua residual urbana con salinidad variable en biorreactores de membrana sumergida con y sin lecho en suspensión	Proyecto	1/1/14	12/31/17
2	Ingeniería ambiental y tratamiento de aguas	Proyecto	5/15/12	5/14/14
3	Estudio y análisis de aguas residuales generadas por la universidad de granada para el cumplimiento de la normativa de vertido del municipio de granada	Contrato	7/15/12	7/14/13
4	Estudio y análisis de aguas residuales generadas por la universidad de granada para el cumplimiento de la normativa de vertido del municipio de granada	Contrato	7/15/12	7/14/13
5	Emasagra	Contrato	12/13/10	9/30/11
6	Estudio de la red de saneamiento y análisis de las aguas residuales generadas por la universidad de granada para el cumplimiento de la normativa de vertido	Convenio	10/1/09	10/30/10
7	Asesoramiento técnico para el diseño de proceso de la edar de la guardia y fuensanta de martos	Contrato	12/20/08	10/31/09
8	Análisis y valoración de las aguas residuales de la universidad de granada	Convenio	7/14/08	9/15/08
9	Estudio del comportamiento de una digestión anaeróbica mesofílica en doble etapa	Proyecto	10/1/13	

Actividades 1

Título actividad	Fuente	Tipo	Fecha
Agencia de calidad eqa		Experiencia en evaluación	Nov 5, 2012

Colaboradores

- JESÚS GONZÁLEZ LÓPEZ (33)
- JAIME MARTÍN PASCUAL (25)
- MARÍA DEL MAR MUÑO MARTÍNEZ (20)
- Juan Carlos Leyva Díaz (16)
- FRANCISCO OSORIO ROBLES (13)
- PATRICIA REBOLEIRO RIVAS (13)
- CRISTINA LOPEZ LOPEZ (11)
- FERNANDO DELGADO RAMOS (10)
- MARÍA BELÉN RODELAS GONZÁLEZ (10)
- FRANCISCO ALEJANDRO RODRÍGUEZ ÍÑIGUEZ (9)
- ALEJANDRO GONZÁLEZ MARTÍNEZ (8)
- JUAN JOSÉ GARCÍA MESA (6)
- MARÍA J. BELÉN JUAREZ JIMÉNEZ (4)
- MONTSERRAT ZAMORANO TORO (3)
- PAZ FERNÁNDEZ OLIVERAS (3)
- ANGEL FERMIN RAMOS RIDAO (2)
- ANGEL HUMBERTO DELGADO OLMOS (2)
- ANTONIO MANUEL PEÑA GARCÍA (2)
- Alejandro Rodríguez Sánchez (2)
- CLEMENTE IRIGARAY FERNÁNDEZ (2)
- EULALIA JADRAQUE GAGO (2)
- FRANCISCO EMILIO MOLERO MELGAREJO (2)
- JORGE DAVID JIMÉNEZ PERÁLVAREZ (2)
- JUAN CARLOS GÓMEZ VARGAS (2)
- JUAN CARLOS OLMO GARCÍA (2)

- MARÍA BEGOÑA MORENO ESCOBAR (2)
- MAXIMINO MANZANERA RUIZ (2)
- MIGUEL LUIS RODRÍGUEZ GONZÁLEZ (2)
- MIGUEL PASADAS FERNANDEZ (2)
- M^a CARMEN ALMÉCIJA RODRÍGUEZ (2)
- RAMIRO VILCHEZ VARGAS (2)
- ALMUDENA DE LA RUA RUIZ (1)
- ALMUDENA RIVADENEYRA TORRES (1)
- Bárbara Muñoz Palazón (1)
- CINTA GÓMEZ SILVÁN (1)
- CLEMENTINA POZO LLORENTE (1)
- FRANCISCO SERRANO BERNARDO (1)
- JESSICA PURSWANI (1)
- JORGE IGNACIO PÉREZ PÉREZ (1)
- JOSÉ LUIS ROSÚA CAMPOS (1)
- JUAN CARLOS ROJAS VARGAS (1)
- LUISA MARIA GIL MARTIN (1)
- M. ANGEL GÓMEZ NIETO (1)
- MONICA LOPEZ ALONSO (1)
- PEDRO ANTONIO GARCIA LOPEZ (1)
- ÁNGELA GARCÍA MARAVER (1)