

## Ficha de investigador

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Grupo de Investigación: FISIOLÓGÍA DIGESTIVA Y NUTRICIÓN (Cod.: AGR145)

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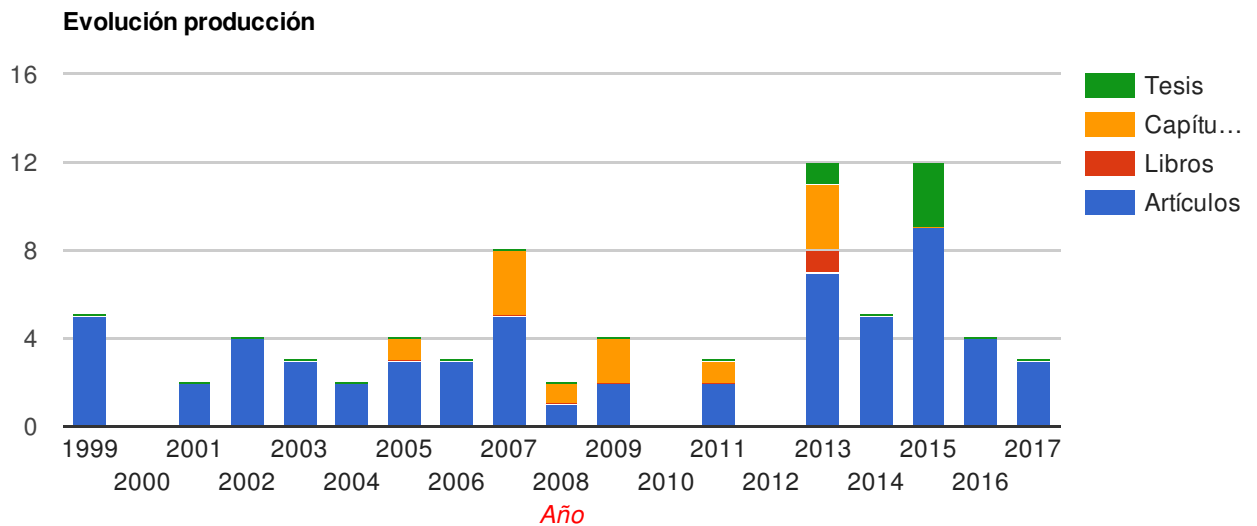
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Ficha del Directorio

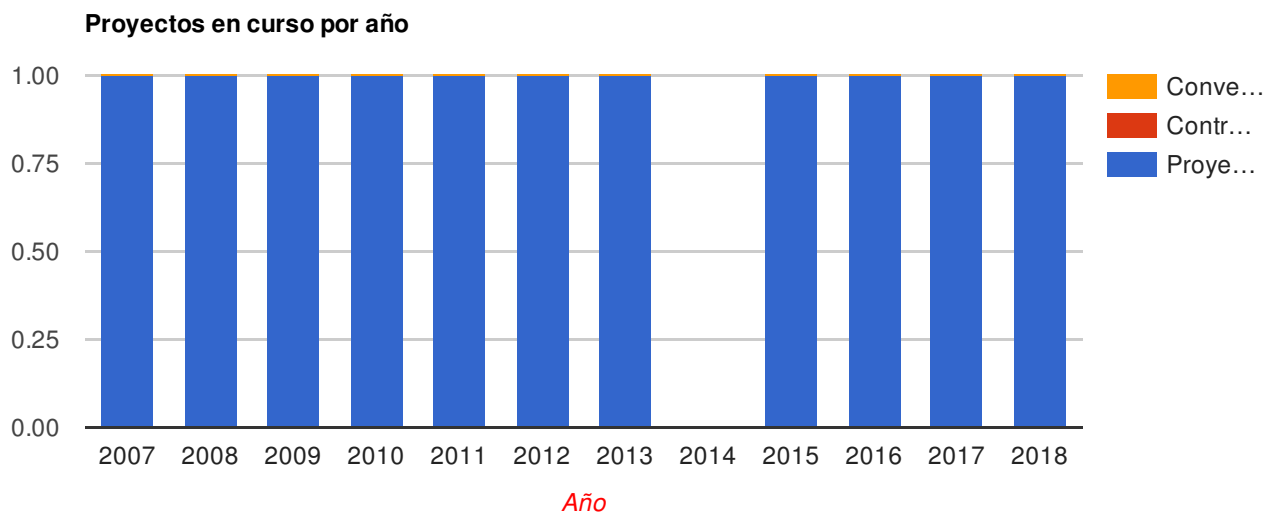
## Producción 76

Artículos (60) Libros (1) Capítulos de Libros (11) Tesis dirigidas (4)



## Proyectos dirigidos 3

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



## Actividades 0

Titulo publicación	Fuente	Tipo	Fecha
Efectos del ejercicio aeróbico interválico, combinado con entrenamiento de fuerza y de la restricción calórica, sobre la composición corporal de ratas obesas	Revista andaluza de medicina del deporte	Articulo	2017
Effects of hypertrophy exercise in bone turnover markers and structure in male growing rats	International journal of sports medicine	Articulo	2017
The combined intervention with germinated vigna radiata and aerobic interval training protocol is an effective strategy for the treatment of non-alcoholic fatty liver disease (nafld) and other alterations related to the metabolic syndrome in zucker r	Nutrients	Articulo	2017
Effects of a moderately high-protein diet and interval aerobic training combined with strength-endurance exercise on markers of bone metabolism, microarchitecture and turnover in obese zucker rats	Bone	Articulo	2016
Effects of interval aerobic training combined with strength exercise on body composition, glycaemic and lipid profile and aerobic capacity of obese rats	Journal of sports sciences	Articulo	2016
Medicago sativa l., a functional food to relieve hypertension and metabolic disorders in a spontaneously hypertensive rat model	Journal of functional foods	Articulo	2016
Stanozolol decreases bone turnover markers, increases mineralization, and alters femoral geometry in male rats	Calcified tissue international	Articulo	2016
Aerobic interval exercise improves parameters of non alcoholic fatty liver disease (nafld) and other alterations of metabolic syndrome in obese zucker rats.	Applied physiology, nutrition, and metabolism	Articulo	2015
Co-inoculation of halomonas maura and ensifer meliloti to improve alfalfa yield in saline soils	Applied soil ecology	Articulo	2015
Consecuencias del consumo de dietas hiperproteicas, de la administración de anabolizantes androgénicos esteroideos y de la práctica de un entrenamiento de alta intensidad sobre marcadores de estrés oxidativo en cerebro y riñón en ratas wistar	Universidad de granada. facultad de farmacia	Tesis doctoral	2015
Efectos de un protocolo de entrenamiento de alta intensidad sobre marcadores fisiológicos de estrés en ratas/physiological effects of the stress induced by a high-intensity exercise protocol in rats	Revista internacional de ciencias del deporte	Articulo	2015
Effects of legume protein hydrolyzates on lipid metabolism in an obese rat experimental model. interaction with aerobic physical exercise	Universidad de granada. facultad de farmacia	Tesis doctoral	2015
High-intensity exercise modifies the effects of stanozolol on brain oxidative stress in rats	International journal of sports medicine	Articulo	2015
High-protein diet induces oxidative stress in rat brain: protective action of high-intensity exercise against lipid peroxidation	Nutrición hospitalaria	Articulo	2015
Improvement of the antioxidant and hypolipidaemic effects of cowpea flours (vigna unguiculata) by fermentation: results of in vitro and in vivo experiments: health benefits of raw and fermented v. unguiculata	Journal of the science of food and agriculture	Articulo	2015
Interaction between orexin a and cannabinoid system in the lateral hypothalamus of rats and effects of subchronic intraperitoneal administration of cannabinoid receptor inverse agonist on food intake and the nutritive utilization of protein	Journal of physiology and pharmacology	Articulo	2015
Interaction between orexin a and cannabinoid system in the lateral hypothalamus of rats and effects of subchronic intraperitoneal administration of cannabinoid receptor inverse agonist (am 251) on food intake and the nutritive utilization of protein	Journal of physiology and pharmacology	Articulo	2015
Medicago sativa l.: mejora de la productividad y nuevos aspectos de su valor nutritivo y funcional	Universidad de granada. facultad de farmacia	Tesis doctoral	2015
Medicago sativa l.: mejora y nuevos aspectos de su valor nutritivo y funcional por co-inoculación bacteriana	Nutrición hospitalaria	Articulo	2015

funcional por co-inoculación bacteriana			
Effects of the amount and source of dietary protein on bone status in rats	Food & function	Artículo	2014
High-intensity exercise may compromise renal morphology in rats	International journal of sports medicine	Artículo	2014
High-protein diet induces oxidative stress in rat brain: protective action of high-intensity exercise against lipid peroxidation	Nutrición hospitalaria	Artículo	2014
Physiological effects of the stress induced by a high-intensity exercise protocol in rats	Revista internacional de ciencias del deporte	Artículo	2014
Whey versus soy protein diets and renal status in rats	Journal of medicinal food	Artículo	2014
Changes on metabolic parameters induced by acute cannabinoid administration (cbd, thc) in a rat experimental model of nutritional vitamin a deficiency	Nutrición hospitalaria	Artículo	2013
Effects of the dietary amount and source of protein, resistance training and anabolic-androgenic steroids on body weight and lipid profile of rats	Nutrición hospitalaria	Artículo	2013
Ergogenic effects of quercetin supplementation in trained rats	Journal of the international society of sports nutrition	Artículo	2013
Health promoting effects of lupin (lupinus albus var. multolupa) protein hydrolyzate and insoluble fiber in a diet-induced animal experimental model of hypercholesterolemia	Food research international	Artículo	2013
High-protein diets and renal status in rats	Nutrición hospitalaria	Artículo	2013
High-protein diets and renal status in rats	Nutrición hospitalaria	Artículo	2013
Legumes and preventive dermatology	Bioactive dietary factors and plant extracts in dermatology	Capítulo de libro	2013
Legumes, genome maintenance, and optimal health	Bioactive food as dietary interventions for the aging population	Capítulo de libro	2013
Mineral content, density and geometry in the rat femur as a result of the amount and source of protein, resistance training and anabolic steroids administration	Universidad de granada. facultad de farmacia	Tesis doctoral	2013
Novel effects of the cannabinoid inverse agonist am 251 on parameters related to metabolic syndrome in obese zucker rats	Metabolism, clinical and experimental	Artículo	2013
Selenium, selenoproteins, and age-related disorders	Bioactive food as dietary interventions for the aging population	Capítulo de libro	2013
Tutormaster. orientación del alumnado en la iniciación a la investigación y estudios de postgrado.	Atrio s.l.	Libros	2013
Effects of high whey protein intake and resistance training on renal, bone and metabolic parameters in rats	British journal of nutrition	Artículo	2011
El entrenamiento de fuerza reduce la acidosis metabólica y la hipertrofia hepática y renal consecuentes del consumo de una dieta hiperproteica en ratas.	Nutrición hospitalaria	Artículo	2011
Phytase: an enzyme to improve soybean nutrition	Soybean and nutrition	Capítulo de libro	2011
Acciones preliminares del equipo docente multidisciplinar en la licenciatura en farmacia de la universidad de granada	I jornadas andaluzas de innovación docente universitaria.	Capítulo de libro	2009
Influence of intracerebroventricular or intraperitoneal administration of cannabinoid receptor agonist (win 55,212-2) and inverse agonist (am 251) on the regulation of food intake and hypothalamic serotonin levels	British journal of nutrition	Artículo	2009
	International conference		

Proposal on self-learning in the master's degree on human nutrition at the university of granada	os education, research and innovation. iceri	Capitulo de libro	2009
Spatial-temporal parameters of gait in women with fibromyalgia	Clinical rheumatology	Articulo	2009
Avances sobre el proyecto de innovación docente titulado fisiopatología: autoaprendizaje y autoevaluación informatizada	Evaluación de la calidad de la educación superior y de la investigación (iv foro)	Capítulo de libro	2008
Evaluación biológica de la calidad de una mezcla de proteínas para uso en nutrición enteral	Nutrición hospitalaria	Articulo	2008
Effect of phytic acid degradation by soaking and exogenous phytase on the bioavailability of magnesium and zinc from pisum sativum, l.	European food research and technology	Articulo	2007
Effect of treatment with $\alpha$ -galactosidase, tannase or a cell-wall-degrading enzyme complex on the nutritive utilisation of protein and carbohydrates from pea (pisum sativum l.) flour	Journal of the science of food and agriculture	Articulo	2007
Improvement in food intake and nutritive utilization of protein from lupinus albus var. multolupa protein isolates supplemented with ascorbic acid	Food chemistry	Articulo	2007
Improvement of iron availability from phytase-treated pisum sativum, l. flour	Food chemistry	Articulo	2007
Nitrogen fractions and mineral content in different lupin species (lupinus albus, lupinus angustifolius, and lupinus luteus). changes induced by the $\alpha$ -galactoside extraction process	Journal of agricultural and food chemistry	Articulo	2007
Nutritional value	Lentil, an ancient crop for modern times	Capítulo de libro	2007
Phytase and inositol phosphates in animal nutrition: dietary manipulation and phosphorus excretion by animals	Inositol phosphates: linking agriculture and the environment	Capítulo de libro	2007
Phytase: source, structure, and application	Industrial enzymes: structure, function and applications	Capítulo de libro	2007
Evaluation of zinc and magnesium bioavailability from pea (pisum sativum, l.) sprouts. effect of illumination and different germination periods	International journal of food science & technology	Articulo	2006
Nutritional evaluation of protein, phosphorus, calcium and magnesium bioavailability from lupin (lupinus albus var. multolupa)-based diets in growing rats: effect of alpha-galactoside oligosaccharide extraction and phytase supplementation	British journal of nutrition	Articulo	2006
Shifting the ph profile of aspergillus niger phya phytase to match the stomach ph enhances its effectiveness as an animal feed additive	Applied and environmental microbiology	Articulo	2006
Effects of germination on the composition and nutritive value of proteins in pisum sativum, l	Food chemistry	Articulo	2005
Nutritional assessment of raw and germinated pea (pisum sativum l.) protein and carbohydrate by in vitro and in vivo techniques	Nutrition	Articulo	2005
Nutritional potential of raw and free alpha-galactosides lupin (lupinus albus var. multolupa) seed flours. effect of phytase treatment on nitrogen and mineral dialyzability	Journal of agricultural and food chemistry	Articulo	2005
Phytases	Encyclopedia of animal science	Capítulo de libro	2005
Bioavailability of calcium and magnesium from faba beans (vicia faba l var major), soaked in different ph solutions and cooked, in growing rats	Journal of the science of food and agriculture	Articulo	2004
Bioavailability of phytic acid-phosphorus and magnesium from lentils (lens culinaris m.) in growing rats: influence of thermal treatment and vitamin-mineral supplementation	Nutrition	Articulo	2004

Effect of heat treatment and mineral and vitamin supplementation on the nutritive use of protein and calcium from lentils ( <i>lens culinaris</i> , m.) in growing rats	Nutrition	Articulo	2003
Effect of natural and controlled fermentation on chemical composition and nutrient dialyzability from beans ( <i>phaseolus vulgaris</i> l.)	Journal of agricultural and food chemistry	Articulo	2003
Nutritional evaluation of pea ( <i>pisum sativum</i> l.) protein diets after mild hydrothermal treatment and with and without added phytase	Journal of agricultural and food chemistry	Articulo	2003
Digestive utilisation of protein and amino acids from raw and heated lentils by growing rats	Journal of the science of food and agriculture	Articulo	2002
Functional expression of keratinase (kera) gene from <i>bacillus licheniformis</i> in <i>pichia pastoris</i>	Biotechnology letters	Articulo	2002
Site-directed mutagenesis of <i>aspergillus niger</i> nrrl 3135 phytase at residue 300 to enhance catalysis at ph 4.0	Biochemical and biophysical research communications	Articulo	2002
The digestion and utilizationof amino acids from raw and heated lentils by growing rats	Journal of agricultural and food chemistry	Articulo	2002
Comparative impacts of glutathione peroxidase-1 gene knockout on oxidative stress induced by reactive oxigen and nitrogen species	Biochemical journal	Articulo	2001
Phytase and citric acid supplementation in whole-wheat bread improves phytate-phosphorus release and iron dialyzability	Journal of food science	Articulo	2001
Ca and p bioavailability of processed lentils as affected by dietary fiber and phytic acid content	Nutrition research	Articulo	1999
Dietary intrinsic phytate protects colon from lipid peroxidation in pigs with a moderately high dietary iron intake	Proceedings of the society for experimental biology and medicine	Articulo	1999
Different sensitivity of recombinant <i>aspergillus niger</i> phytase (r-phyta) and <i>escherichia coli</i> ph 2.5 acid phosphatase (r-appa) to trypsin and pepsin in vitro.	Archives of biochemistry and biophysics	Articulo	1999
Knockout of cellular glutathione peroxidase gene renders mice susceptible to diquat-induced oxidative stress	Free radical biology & medicine	Articulo	1999
Selenium-dependent cellular glutathine peroxidase protects mice against a pro-oxidant-induced oxidation of nadph, nadh, lipids and protein	The faseb journal	Articulo	1999

	<b>Título proyecto</b>	<b>Tipo</b>	<b>Inicio</b>	<b>Fin</b>
1	Contribución al control del síndrome metabólico y posterior mantenimiento de peso con un programa de dieta, ejercicio físico aeróbico y un inhibidor de ingesta en ratas.	Proyecto	1/1/15	12/31/18
2	Efecto de hidrolizados proteicos vegetales procedentes de leguminosas sobre el metabolismo lipídico y energético en un modelo experimental de rata obesa. interacción con el ejercicio físico aeróbico.	Proyecto	12/30/09	12/30/13
3	Estudio comparado en modelos experimentales de rata hiper-colesterolemica, cultivo primario de hepatocitos y línea celular hepg2 de la influencia de hidrolizados proteicos vegetales sobre determinados parámetros lipídicos, de estrés oxidativo.	Proyecto	11/1/07	10/31/08

## Actividades 0

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

- PILAR ARANDA RAMÍREZ (50)
- MARIA LÓPEZ-JURADO ROMERO (44)
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- ROSARIO MARTÍNEZ MARTÍNEZ (17)
- CRISTINA SÁNCHEZ GONZÁLEZ (13)
- JUAN LLOPIS GONZÁLEZ (6)
- MILAGROS GALISTEO MOYA (6)
- ANTONIO SAMUEL CANTARERO MALAGON (3)
- FRANCISCO JESÚS ARREBOLA VARGAS (3)
- CARLOS LÓPEZ CHAVES (2)
- CAROLA AGUZZI (2)
- EDUARDO FERNÁNDEZ SEGURA (2)
- Francisco B. Ortega Porcel (2)
- JOSE MARIA HEREDIA JIMENEZ (2)
- MOHAMED TASSI Mzamzi (2)
- M<sup>a</sup> INMACULADA LOPEZ ALIAGA (2)
- M<sup>a</sup> JOSE MUÑOZ ALFEREZ (2)
- ABDERRAHMANE MERZOUKI (1)
- ANGEL GIL HERNANDEZ (1)
- ANGEL ORTE GUTIERREZ (1)
- CARLOS DE TERESA GALVAN (1)
- CRISTINA SAMANIEGO SANCHEZ (1)
- EMILIO MARTÍNEZ DE VICTORIA MUÑOZ (1)
- FRANCISCO ARREBOLA NACLE (1)
- FRANCISCO LISBONA DELGADO (1)
- IRENE ORTIZ BERNAD (1)
- JAVIER DIAZ CASTRO (1)
- JOSUNE OLZA MENESES (1)
- JOSÉ ANGEL RUFIAN HENARES (1)
- JOSÉ JOAQUÍN MUROS MOLINA (1)
- JURISTO FONOLLA JOYA (1)

- LETICIA HERAS GONZALEZ (1)
- LUIS CROVETTO GONZALEZ (1)
- LUIS PÉREZ MARTÍNEZ (1)
- MAGDALENA LÓPEZ FRIAS (1)
- MANUEL SIERRA ARAGON (1)
- MARIA JOSE RUEDAS RAMA (1)
- MARÍA DEL PILAR CEREZO GONZÁLEZ (1)
- MARÍA ELENA RODRIGUEZ CABEZAS (1)
- MIGUEL MORENO PRIETO (1)
- Manuel Delgado-Fernández (1)
- M<sup>a</sup> ESPERANZA ORTEGA SÁNCHEZ (1)
- OLGA MARÍA CRUZ LÓPEZ (1)
- PEDRO JESUS FEMIA MARZO (1)
- Rafael Antonio Casuso Pérez (1)
- SILVIA PASTORIZA DE LA CUEVA (1)
- TERESA NESTARES PLEGUEZUELO (1)
- VICTOR MANUEL SOTO HERMOSO (1)