

**Part A. PERSONAL INFORMATION**

CV date

12/10/2019

First and Family name	José Luis Quiles Morales		
Social Security, Passport, ID number	75223419X	Age	51
Researcher codes	WoS Researcher ID (*)	C-6911-2013	
	SCOPUS Author ID(*)	57196263267	
	Open Researcher and Contributor ID (ORCID) **	0000-0002-9048-9086	

(\*) At least one of these is mandatory

(\*\*) Mandatory

**A.1. Current position**

Name of University/Institution	Universidad de Granada		
Department	Instituto de Nutrición y Tecnología de los Alimentos "José Mataix". Centro de Investigación Biomédica. Departamento de Fisiología		
Address and Country	Parque Tecnológico de la Salud. Lab. 250B. Avda. del Conocimiento s/n 18100 Armilla, Granada		
Phone number	699432652	E-mail	<a href="mailto:jlquiles@ugr.es">jlquiles@ugr.es</a>
Current position	Professor	From	13/08/2012
Key words	Nutrition, Aging, Olive oil, Olive, strawberry, Berries, Honey, Functional foods, Nutraceuticals, Redox biology, Cancer, Oxidative stress		

**A.2. Education**

PhD	University	Year
BSc in Biological Sciences	Granada	1991
PhD in Biological Sciences	Granada	1995
MsC in Nutrition	Granada	1994
MsC in Business Administration	Escuela Superior de Negocios de Andalucía	2000

**A.3. JCR articles, h Index, thesis supervised...**

Sexenios: 4 (the last in December 2018).

Directed theses in the last ten years: 9

Total number of publications with impact factor: 155

Number of publications in the first quartile: 89

**CLARIVATE HIGHLY CITED RESEARCHER 2019 (Agriculture area)**

	Web of Science	Scopus	Google Scholar
Total citations	5531	6065	9174
h-index	42	43	52
Citation/year average last 5 years(2014-2018)	554	624	778

**Part B. CV SUMMARY** (max. 3500 characters, including spaces)

**Professional career:** PhD in Biology (1995, extraordinary award). In 1996 I joined the military service. From 1997 to 1999 I enjoyed a postdoctoral fellowship at Rowett Research Institute. From 1999 to 2003 I enjoyed a reinstatement contract. In 2003 I got a Ramón y Cajal program contract. In 2006 I went to a "Profesor Contratado Doctor". In 2008, after obtaining in 2007 the "HABILITACIÓN NACIONAL", I was appointed Associated Professor of the University. Now, and from 2012, I am full Professor of Physiology. Concerning to scientific-technical achievements, we have seen that cell membranes are capable of adapting their phospholipid composition to the fat ingested through the diet and how this affects oxidative stress and function in aging. It is a powerful nutritional therapy. Recently, I have been proposed as a visiting professor at Northwest University in Xi'an, China.



Research lines: aging and associated diseases (cancer, neurodegenerative, cardiovascular) in relation to the role of diet (olive oil, strawberries, honey), redox biology and mitochondria.

Research projects and contracts: principal investigator of a National Plan research project (AGL2008-01057) and an Excellence project of the Junta de Andalucía (AGR832). Since June 2019 I am IP of an H2020 project (PRIMA 2018 call) of the European Union (reference 1811-SUSTAINOLIVE). I have directed and collaborated in more than 40 projects and research contracts.

Scientific production: Author of more than 150 indexed articles, with an H index as of October 2019 of 42 according to the WOS database and 52 according to Google Scholar.

Training of doctors: I have directed 14 doctoral theses. Director of an FPI scholarship and 4 FPU scholarships. Tutor of a contracted program "Juan de la Cierva Formación".

Stay in foreign research centers: 28 months, 24 at the Rowett Research Institute in Aberdeen, Scotland, UK.

Speaker at international conferences: Thailand, USA, UK, Austria, Italy, China.

Book editor: Olive Oil and Health. CABI publishing group, 2006.

Scientific committees: Chairman of the scientific committee of a national congress and member of the scientific committee of 4 international congresses.

Editorial Board Member of Scientific Journals: I am editor in chief of eFOOD and Food Frontiers, as well as editor in chief of the "Molecular roles of xenobiotics" section of the International Journal of Molecular Sciences. I am also part of the editorial committee of Oxidative Medicine and Cellular Longevity; Ars Pharmaceutica; Diseases and Journal of Berry Research. I have been a guest editor in a number of Nutrients.

Research awards: I have received 10 research awards, including Extraordinary Doctoral Thesis Award and in 2017 and 2018 the "Excellent in Knowledge" awards from Caja Rural de Granada - University of Granada for work and the most cited researcher, respectively, in the field of health sciences at the University of Granada.

Management: Secretary of the Department of Physiology (2008-2013) and Vice Dean of Research of the Faculty of Pharmacy (2013-2017). In addition, I form or have been part of research and teaching commissions in the Department of Physiology, Institute of Nutrition and Food Technology "José Mataix Verdú" and I belong to the Board of Researchers of the Center for Biomedical Research, all of them from the University from Granada.

## Part C. RELEVANT MERITS

### C.1. Publications

Marín-Aguilar F, Lechuga-Vieco AV, Alcocer-Gómez E, **Quiles JL**. et al. (2029) NLRP3 inflammasome suppression improves longevity and prevents cardiac aging in male mice. *Aging Cell*. 00:e13050. <https://doi.org/10.1111/accel.13050>. **Impact factor: 7.346 (3 of 53; Geriatrics & Gerontology; Quartile 1, Decile 1)**.

Navarro-Hortal MD, Ramírez-Tortosa CL, Varela-López A, Romero-Márquez JM, Ochoa JJ, Ramírez-Tortosa M, Forbes-Hernández TY, Granados-Principal S, Battino M, **Quiles JL** (2019) Heart Histopathology and Mitochondrial Ultrastructure in Aged Rats Fed for 24 Months on Different Unsaturated Fats (Virgin Olive Oil, Sunflower Oil or Fish Oil) and Affected by Different Longevity. *Nutrients*. 11(10). pii: E2390. doi: 10.3390/nu11102390. **Impact factor: 4.171 (16 of 87; Nutrition & Dietetics; Quartile 1)**.

Varela-López A, Battino M, Navarro-Hortal MD, Giampieri F, Forbes-Hernández TY, Romero-Márquez JM, Collado R, **Quiles JL** (2019) An update on the mechanisms related to cell death and toxicity of doxorubicin and the protective role of nutrients. *Food Chem Toxicol*.134:110834. doi: 10.1016/j.fct.2019.110834. **Impact factor: 3.775 (22 of 135; Nutrition & Dietetics; Quartile 1)**.

Ramírez-Tortosa CL, Varela-López A, Navarro-Hortal MD, Ramos-Pleguezuelos FM, Márquez-Lobo B, Ramírez-Tortosa MC, Ochoa JJ, Battino M, **Quiles JL** (2019) Longevity and cause of death in male Wistar rats fed lifelong diets based on virgin olive oil, sunflower oil or fish oil. *J Gerontol A Biol Sci Med Sci*. pii: glz091. doi: 10.1093/gerona/glz091. **Impact factor: 4.711 (7 of 53; Geriatrics & Gerontology; Quartile 1)**.

Varela-Lopez A, Pérez-López MP, Ramírez-Tortosa CL, Battino M, Granados-Principal S, Ramírez-Tortosa MDC, Ochoa JJ, Vera-Ramírez L, Giampieri F, **Quiles JL** (2018) Gene pathways associated with mitochondrial function, oxidative stress and telomere



- length are differentially expressed in the liver of rats fed lifelong on virgin olive, sunflower or fish oils. *J Nutr Biochem*. 52:36-44. [Impact factor: 4.518 \(11 of 81; Nutrition & Dietetics; Quartile 1\)](#).
- Bullón P, Castejón-Vega B, Román-Malo L, Jimenez-Guerrero MP, Cotán D, Forbes-Hernandez TY, Varela-López A, Pérez-Pulido AJ, Giampieri F, **Quiles JL**, Battino M, Sánchez-Alcázar JA, Cordero MD (2018) Autophagic dysfunction in patients with Papillon-Lefèvre syndrome is restored by recombinant cathepsin C treatment. *J Allergy Clin Immunol*. doi:10.1016/j.jaci.2018.01.018. [Impact factor: 13.081 \(6 of 151; Immunology; Quartile 1, Decile 1\)](#).
- Bullón P, Cano-García FJ, Alcocer-Gómez E, Varela-López A, Roman-Malo L, Ruiz-Salmerón RJ, **Quiles JL**, Navarro-Pando JM, Battino M, Ruiz-Cabello J, Jiménez-Borreguero LJ, Cordero MD (2017) Could NLRP3-Inflammasome Be a Cardiovascular Risk Biomarker in Acute Myocardial Infarction Patients? *Antioxid Redox Signal*. 27:269-275. [Impact factor: 6.337 \(13 of 138; Endocrinology & Metabolism; Quartile 1, Decile 1\)](#).
- Varela-Lopez A, Bullon P, Battino M, Ramirez-Tortosa, MC, Ochoa JJ, Cordero MD, Ramirez-Tortosa CL, Rubini C, Zizzi A, **Quiles JL** (2016) Coenzyme Q protects against age-related alveolar bone loss associated to n-6 PUFA rich-diets by modulating mitochondrial mechanisms. *J Geront A Biol Sci Med Sci*.doi:10.1093/gerona/glv063. [Impact factor: 5.957 \(3 of 49; Geriatrics & Gerontology; Quartile 1; Decile 1\)](#).
- Granados-Principal S, El-Azem N, Pamplona R, Ramirez-Tortosa C, Pulido-Moran M, Vera-Ramirez L, **Quiles JL**, Sanchez-Rovira P, Naudí A, Portero-Otin M, Perez-Lopez P, Ramirez-Tortosa M. (2014) Hydroxytyrosol ameliorates oxidative stress and mitochondrial dysfunction in doxorubicin-induced cardiotoxicity in rats with breast cancer. *Biochem Pharmacol*. 1;90(1):25-33. [Impact factor: 5.009 \(23 of 255; Pharmacology&Pharmacy; Quartile 1, Decile 1\)](#).
- Roche E, Ramírez-Tortosa CL, Arribas MI, Ochoa JJ, Sirvent-Belando JE, Battino M, Ramírez-Tortosa MC, González-Alonso A, Pérez-López MP, **Quiles JL** (2014) Comparative Analysis of Pancreatic Changes in Aged Rats Fed Life Long With Sunflower, Fish, or Olive Oils. *J Geront A. Biol Sci Med Sci*. 69:934-44. [Impact factor: 5.416 \(3 of 50; Geriatrics & Gerontology; Quartile 1; Decile 1\)](#).

## C.2. Research projects and grants

- 18-11SUSTAINOLIVE. Novel approaches to promote the SUSTAINability of OLIVE groves in the Mediterranean. European Comision. Programme PRIMA 2018 H2020. **IP: José Luis Quiles Morales** (Coord: Roberto García Ruiz. University of Jaen, Spain). 01/06/2019 to 31/05/2023. Amount: € 45,000.
- PP2017-PIP06. Use of *C. elegans* as a model of low cost and high capacity of screening for the study of diet components in relation to the reverse relationship between Alzheimer's disease and cancer. Universidad de Granada. **IP: José Luis Quiles Morales**. 01/04/2018 a 31/03/2019. Amount: € 3,000.
- Industrial decontamination of waxes. Valorisation of the wax and its by-products. Ministry of Agriculture, Food and Environment. **IP: José Orantes Bermejo**. Duration: 01/01/2016 to 09/30/2016. Amount: € 54920.20.
- PI-0695-2012. Randomized clinical trial on the role of hydroxytyrosol in the modulation of oxidative stress in blood and in tumor samples of patients diagnosed with breast cancer. Andalusian Health Service. **IP: César Luis Ramírez Tortosa**. 07/01/2013 to 01/12/2015. Amount: € 49,730.79.
- CEI2013-I-96. Standardization and systematic high-throughput analysis of the relative length of telomeres using real-time PCR. Application to samples from studies of aging and breast cancer. Campus of International Excellence BioTic Granada. **IP: José Luis Quiles Morales**. 01/01/2013 to 12/31/2013. Amount € 18,000.
- AGL2008-01057. Analysis of gene expression and causes of death in rats with different longevity and aging due to ingestion of different fat sources (olive, sunflower and fish) supplemented or not with coenzyme Q. Ministerio de Ciencia e Innovacion. **IP: José Luis Quiles Morales**. 01/01/2009 a 31/12/2011. Amount: € 14,1570.



P05-AGR-832. Multidisciplinary study of the role of olive virgin oils, sunflower and fish and coenzyme Q10 in aging. Consejería de Economía, Innovación y Ciencia de la Junta de Andalucía. **IP: José Luis Quiles Morales**. 01/02/2006 a 28/02/2009. Amount: € 99,900.

### **C.3. Contracts with companies**

Study of the role of probiotics in density and bone health in ovariectomized rats (General University of Granada-Company Foundation Contract No. 4557). Contracting: Biosearch S.A. Duration: 05/12/2017 to 04/12/2018. **IP: José Luis Quiles Morales**. Amount: € 30,000.

Industrial decontamination of waxes. Valorization of the wax and its by-products II. Technical use of pheromones in the apicultural sector (Contract OTRI UGR). Contracting: Provincial Beekeepers Association of Granada. **IP: José Luis Quiles Morales**. Duration: 03/03/2017 to 07/31/2017. Amount: € 5,600

Industrial decontamination of waxes. Valorization of the wax and its by-products (Contract OTRI UGR). Contracting: Provincial Beekeepers Association of Granada. **IP: José Luis Quiles Morales**. Duration: 02/15/2016 to 07/31/2016. Amount: € 7,000.

Oxidative stress markers in diabetes nephropathy (Contract Fundación Empresa Universidad de Granada N° 3708). Contracting: Abbott Laboratories, S.A. 07/15/2012 to 07/14/2013. **IP: José Luis Quiles Morales**. Amount: € 82,600.

Role of maternal nutrition on mitochondrial functionality as a therapeutic target in the prevention of obesity associated with programmed development in the gestational stage (Contract Fundación Empresa Universidad de Granada N° 3496-01). Contracting: Abbott Laboratories, S.A. **IP: José Luis Quiles Morales**. Duration: 01/11/2011 to 31/12/2012. Amount € 15,000.

Targeting mitochondrial function for preventing adverse developmental programming of obesity-related disorders later in life. The role of maternal nutrition (Contract Fundación Empresa Universidad de Granada N° 3496). Contracting: Abbott Laboratories, S.A. 02/11/2010 to 31/12/2011. **IP: José Luis Quiles Morales**. Amount: € 70,000.

Effect of compounds NST0021 and NST0037 on the development of atherosclerosis in an experimental model of rabbits (Contract Fundación Empresa Universidad de Granada N° 3451). Contracting: Neuron Biopharma, S.A. 01/03/2011 to 28/02/2012. **IP: José Luis Quiles Morales**. Amount: € 5,000.

The role of skeletal muscle mitochondria on the development of early programming models: glucocorticoids and pre-term birth models (Contract Fundación Empresa Universidad de Granada N° 3394). Contracting: Abbott Laboratories, S.A. 01/03/2010 to 28/02/2011. **IP: José Luis Quiles Morales**. Amount: € 31,155.

### **C.4. Patents**

Registered industrial property title: Use of at least one gene, e.g. adapter-related protein complex 1, mu 2 (AP1M2), and coiled-coil domain containing 80 (CCDC80), for predicting or forecasting response to chemotherapy in breast cancer patients.

Inventors / authors / breeders: Vera Ramirez L; Sanchez Rovira P; Ramirez Tortosa C L; Quiles Morales J L; Ramirez Tortosa M D C; Lorente Acosta J A.

Entity holder of rights: Andalusian Health Service; Public Foundation Andaluza Progreso Y Sa; Andalusian Public Foundation For Management; Univ Granada.

Patent number: WO2014080060-A1.

### **C.5 Research awards (the last three awards)**

\*University of Granada-Caja Rural de Granada Award 2018 for research works of excellence in Health Sciences at the University of Granada during the year 2017.

\*"Excellent in Knowledge" Award Caja Rural de Granada - University of Granada 2017 to the most cited author in Health Sciences at the University of Granada during 2016.

\*BELTRÁN BÁGUENA 2016 Award, Biological Sciences Section, for the best original article published in the Spanish Journal of Geriatrics and Gerontology: "Experimental evidence regarding the role of different types of unsaturated fats in the diet in aging".