

January 26, 2022

SHORT CURRICULUM VITAE



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Date of birth: 1963 in Torredelcampo, Jaén, Spain

Academic degree: MSc, Biological Sciences, University of Granada, 1986
PhD, Biological Sciences, University of Granada, 1993

Current position: Professor of Biochemistry and Molecular Biology, 1999
Department of Experimental Biology,
University of Jaén
Jaén, Spain

Research Experience:

Current subjects: Biochemistry of olive tree and biological characterization of its
bioactive compounds
Regulation of metabolism
Proteomics
Protein turnover and growth

Publications: 81 scientific papers published in refereed journals recompiled on
the ISI Web of Knowledge
72 national and international congress communications

Patents: 2 international and national patents (WO2006003225-A1,
WO2006003226-A1; ES2249153-A1; ES2249153-B1)

Grants: Researcher in 14 national and international grants
Researcher in charge in 3 national grants
Member in charge of the Research Group “Enzymes and
Metabolism”, code number: BIO-341, Junta de Andalucía, Spain.

Supervisor of 3 Doctoral Theses and 10 MSc Theses

Teaching Experience:

Professor of University at full-time since 1994 giving classes of:
Biochemistry in Grade in Biology and Grade in Chemistry
Biochemical Techniques in Grade in Biology
Molecular and Metabolic Biochemistry in Grade in Biology
Enzymology in Master in Biotechnology and Biomedicine
Proteomics in Master in Biotechnology and Biomedicine

Membership in Professional Societies:

Sociedad Española de Bioquímica y Biología Molecular, 1993
The Biochemical Society, 1998
American Chemical Society, 2008

Papers published in the last 5 years:

Peñas-Fuentes JL, Siles E, Rufino-Palomares EE, Pérez-Jiménez A, Reyes-Zurita FJ, Lupiáñez JA, Fuentes-Almagro C, **Peragón-Sánchez J.** [Effects of Erythrodol on the Antioxidant Response and Proteome of HepG2 Cells](#). ANTIOXIDANTS. 11: 73, 19 pages, 2022.
<https://doi.org/10.3390/antiox11010073>

Ortega-García F, Blanco S, Peinado MA, **Peragón J.** Polyphenol oxidase and oleuropein in olives and their changes during olive ripening. In: OLIVES AND OLIVE OIL IN HEALTH AND DISEASE PREVENTION, SECOND EDITION. Edited by Victor R. Preedy and Ronald Ross Watson, Academic Press, United Kingdom, pp 123-1229, ISBN: 978-0-12-819528, 2021.
<https://doi.org/10.1016/B978-0-12-819528-4.00048-1>

Bonel-Pérez GC, Pérez-Jiménez A, Gris-Cárdenas I, Parra-Pérez AM, Lupiáñez JA, Reyes-Zurita FJ, Siles E, Csuk R, **Peragón J.** [Antiproliferative and pro-apoptotic effect of uvaol in human hepatocarcinoma HepG2 Cells by affecting G0/G1 cell cycle arrest, ROS production and AKT/PI3K signaling pathway](#). MOLECULES. 25: 4254, 2020.
[doi:10.3390/molecules25184254](https://doi.org/10.3390/molecules25184254)

Hernández-Yera M, **Peragón J.** [Time course profile of pentacyclic triterpenes from stem and root of cv. Picual olive tree \(*Olea europaea*, L.\) along ripening](#) JOURNAL OF PLANT SCIENCE. 4: 186-193, 2020.

Jiménez-Herrera R, Pacheco-López B, **Peragón J.** [Water stress, irrigation and concentrations of pentacyclic triterpenes and phenols in *Olea europaea* L. cv. Picual olive trees](#). ANTIOXIDANTS. 8 (8), 294; 14 pages, 2019; <https://doi.org/10.3390/antiox8080294>

Cuevas-Fernández B, Fuentes-Almagro C, **Peragón J.** [Proteomics analysis reveals the implications of cytoskeleton and mitochondria in the response of rat brain to starvation](#). NUTRIENTS. 11, 219,1-15; 2019; doi:10.3390/nu11020219.

Peragón J., Amores-Escobar MT. [Olive tree glutathione S-transferase and its response against the herbicides oxyfluorfen and glyphosate](#). SCIENTIA HORTICULTURAE, 231: 194-200, 2018.

Other articles of interest:

Cañuelo A, Esteban FJ, **Peragón J.** [Gene expression profiling to investigate tyrosol-induced lifespan extension in *Caenorhabditis elegans*](#) EUROPEAN JOURNAL OF NUTRITION, 55:639-650, 2016.

Peragón J, Rufino-Palomares EE, Muñoz-Espada I, Reyes-Zurita FJ, Lupiáñez JA. [A new HPLC method for measuring maslinic acid and oleanolic acid in HT29 and HepG2 human cancer cells](#). INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES, 16(9), 21681-21694. 2015.

Peinado MA, Hernández R, **Peragón J**, Ovellerio D, Pedrosa JA, Blanco S. [Proteomic characterization of nitrated cell targets after hypobaric hypoxia and reoxygenation in rat brain](#) JOURNAL OF PROTEOMICS, 109, 309-321, 2014

Cañuelo A, **Peragón J**. [Proteomics analysis in *Caenorhabditis elegans* to elucidate the response induced by tyrosol, an olive phenol that stimulates longevity and stress resistance](#). PROTEOMICS, 13, 3064-3075, 2013

Rufino-Palomares E, Reyes-Zurita F, García-Salguero L, Mokhtari K, Medina P.P., Lupiáñez JA, **Peragón J**. [Maslinic acid, a triterpenic anti-tumoural agent, interferes with cytoskeleton protein expression in HT29 human colon-cancer cells](#). JOURNAL OF PROTEOMICS, 83, 15-25, 2013

Rufino-Palomares E, Reyes-Zurita F, Fuentes-Almagro C, De La Higuera M, Lupiáñez J.A, **Peragón J**. [Proteomics in the liver of gilthead sea bream \(*Sparus aurata*\) to elucidate the cellular response induced by the intake of maslinic acid](#). PROTEOMICS, 11, 3312-3325, 2011