

SANDRA MARTÍN PELÁEZ

PROFESSIONAL EXPERIENCE

ASSOCIATE PROFESSOR	Department of Preventive Medicine and Public Health. Faculty of Pharmacy. University of Granada, Spain	2023-current
ASSISTANT PROFESSOR	Department of Preventive Medicine and Public Health. Faculty of Medicine. University of Granada, Spain. 1-year research stage (2022-2023) at the Department of Biochemistry and Biotechnology, University of Thessaly	2018-2023
CLINICAL DATA MANAGER & MEDICAL WRITER	Biosearch Life, a Kerry company. Company specialized in research, development, and marketing of new products around three product platforms: ω -3, probiotics, botanical extracts, with beneficial health effects. Department of Research. Granada, Spain.	2018
RESEARCH ASSOCIATE	Molecular Biology Institute of Barcelona. Spanish Research Council (CSIC). Scientific Research Park of Barcelona, Spain.	2016-2017
	Department of Biochemistry and Physiology (former Department of Physiology). Faculty of Pharmacy and Nutritional Sciences. University of Barcelona, Spain.	2014-2015
	Cardiovascular Risk and Nutrition research group (CARIN). Hospital del mar Research Institute (IMIM). Biomedical Research Park of Barcelona, Spain.	2011-2015
	Department of Food and Nutritional Sciences. School of Chemistry, Food Biosciences & Pharmacy. The University of Reading, UK.	2008-2009
PHD STUDENT	Department of Food and Nutritional Sciences. School of Chemistry, Food Biosciences & Pharmacy. The University of Reading, UK (PhD visiting student, 2.5 years)	2006-2008
	Department of Animal and Food Sciences. School of Veterinary Sciences. Autonomous University of Barcelona, Spain	2004-2008
RESEARCH ASSISTANT	Department of Animal and Food Sciences. School of Veterinary Sciences. Autonomous University of Barcelona, Spain.	2004
	Department of Nutrition and Food Science. School of Pharmacy. University of Granada, Spain.	2003-2004

HIGHER EDUCATION

PhD	PhD Program: Animal production. Nutrition of Monogastric Animals. PhD thesis: "Evaluation of different feeding strategies and their influence on the intestinal fermentative processes for the control of Salmonella in pigs". Dep. of Animal and Food Sciences. School of Veterinary Sciences. Autonomous University of Barcelona, Spain. " Doctor Europaeus " distinction.	2004-2008
Degree	Food Science and Technology (level 3 (Máster) of the Spanish Higher Education Qualifications Framework (MECES) and level 7, of the European Qualifications Framework (EQF)). Faculty of Pharmacy. University of Granada, Spain.	2000-2003
Degree	Biology (level 3 (Máster) of Spanish MECES and level 7, of European EQF). Faculty of Sciences. University of Granada, Spain.	1993-1998

COMPLEMENTARY HIGHER POSTGRADUATE EDUCATION

- **PhD courses in Animal Nutrition (200 h, 2006).** Department of Animal and Food Sciences. Autonomous University of Barcelona, Spain.
- **PhD courses in Human Nutrition/Technology and Quality of Food (280 h, 2004).** Department of Nutrition and Food Science. University of Granada, Spain.

RECOGNITIONS AND ACCREDITATIONS

1. Accredited as "**Assistant Professor**" (*professor ayudante doctor*) by The National Agency for Quality Assessment and Accreditation of Spain, **ANECA** (PAD number: 2016-4696), 2017.
2. Accredited as "**Associate Professor**" (*professor contratado doctor*) by The National Agency for Quality Assessment and Accreditation of Spain, **ANECA** (PCD number: 2020-13568), 2021.
3. **Pedagogic Competence Certificate (CAP)** (180 hours; 1998–1999). Post-graduate school, University of Granada, Spain.

FUNDING

PARTICIPATION IN RESEARCH PROJECTS

PUBLIC FUNDING (Title, Reference, Funding, Role, Dates)

1. *Feed strategies for finishing pigs aimed to minimize the excretion of Salmonella in faeces associated to stress prior to slaughter.* Ref. AGL2003-08370-C03-01. Spanish Ministry of Science and Education, Spain. **202.200 €**. Role: **Investigator**. 2004-2008.
2. *Animal nutrition, management, and welfare.* Ref. 2005SGR-00493. Consolidation of Research Groups, Spain. **48.200 €**. Role: **Investigator**. 2005-2008.
3. *Interventions to Reduce the Carriage of Antimicrobial Resistance in Food Producing Animals.* Ref. VM2203. UoR. VLA(UK), **219.092 £**. Role: **Investigator**. 2006-2007.
4. *Evaluation of functional ingredients to improve the health status of pigs.* Ref. AGL2007-60851. Spanish Ministry of Science and Education, Spain. **115.434 €**. Role: **Investigator**. 2007-2009.
5. *Virgin olive oil and HDL functionality: a model for tailoring a functional food.* Ref. AGL2009-13517-C03-01. ISCIII, Spain. **169.399 €**. Role: **Investigator**. 2010-2012.
6. *Effect of Mediterranean Diet on the mechanisms associated to HDL functionality.* Ref. PI11/01647. ISCIII and MINECO, Spain. **109.240 €**. Role: **Investigator**. 2012-2014.
7. *Effects of a lifestyle intervention on the infant obesity prevention: Communitarian based model (POIBC study).* Ref. PI11/01900. Spanish Health Institute Carlos III (ISCIII) and MINECO, Spain. **110.715 €**. Role: **Investigator**. 2012- 2015.
8. *Metabolic Fate of Olive Oil Phenolic compounds and /or complementary phenols in humans: Nutrigenomic Effect. The MEFOP Project.* Ref. AGL2012-40144-C03-01. Ministry of Economy and Competitiveness (MINECO), Spain. **98.280 €**. Role: **Investigator**. 2013-2015.
9. *PREDIMED+DM: Effect of a weight loss intervention with traditional hypocaloric Mediterranean Diet and promotion of physical activity for the prevention of T2D in subjects with Metabolic Syndrome.* Ref. PI20/01532. Health Institute Carlos III, Spain. **114.006 €**. Role: **Investigator**. 2020-2022.
10. *Tailor made exo-polysaccharides from probiotic strains.* Ref. REC2021-64. Next Generation EU, Ministry of Universities and UGR. **29.576€**. Role: **Principal Investigator**. 2022-2023.
11. *Search, evaluation, synthesis and dissemination of scientific evidence on nutrition and lifestyles in pregnancy with clinical value for professionals and pregnant women.* Ref.PI23/01866. ISCIII (Ινστιτούτο Υγείας Carlos III), Ισπανία. **52.500 €**. Ρόλος: **Ερευνητής**. 2023-2025.

PRIVATE FUNDING (Title, Funding, Role, Dates)

12. *Effect of mannan-oligosaccharides on the intestinal microbiota and immune system of pigs.* Alltech Biosciences (Ireland) and Autonomous University of Barcelona. **10.000 €**. Role: **Investigator**. 2004.
13. *Effect of two different dietary fibre on Intestinal microbiota using a three-stage continuous culture system (gut model).* Aboca S.p.A. (Italy) and The University of Reading. **15.000 €**. Role: **Investigator**. 2008.
14. *Human trial on the prebiotic capacity of a resistant maltodextrin.* National Starch and Chemical Company (USA) and The University of Reading. **127.000 €**. Role: **Investigator**. 2008-2009.
15. *No funding: Evaluation of the nutritional status of a University population during Ramadam.* University of Granada, Spain. Nofunding. Role: **Investigator**. 2003-2004

GRANTS

TYPE	NAME	PUBLIC FUNDING ORGANISM	AMOUNT (Date)
Postdoctoral	"Sara Borrell"	Health Institute Carlos III (Spain). Ref. CD10/00224	144.000 € (2010-2015)
Predocctoral	PhD grant "FPI"	Ministry of Economy and Competitiveness (Spain). Ref. AGL2003-08370-C02-01	52.800 € (2004-2008)
	Travel grants	Ministry of Economy and Competitiveness (Spain)	8.790 € (2007), 4.695 € (2006)
	Research scholarship	Autonomous University of Barcelona (Spain)/Alltech	3.000 € (2004)

RESEARCH ACTIVITY

SUMMARY

SCOPUS ID	h-index	Peer-reviewed publications	Citations	Authorship			Quartile 1 (JCR)	Decile 1 (JCR)
				1 st	2 nd	Corresponding		
24825067000	20	39	1404	14	4	10	27	10

Quartile 1: top 25% of journals in a particular category. Example: "position 10 out of 66 in JCR category Nutrition and Dietetics"

Decile 1: top 10% of journals in a particular category. Example: "position 3 out of 123 in JCR category Food Science and Technology"

PEER-REVIEWED PUBLICATIONS

* Corresponding author

‡ θέση X/Y: θέση X σε σύνολο Y περιοδικών στην κατηγορία σύμφωνα με το Journal Citation Reports (JCR)

1. **Martín-Peláez S**, Martín-Orúe SM, Pérez JF, Fàbrega E, Tibau J, Gasa J (2008). Increasing feed withdrawal and lairage times prior to slaughter decreases the gastrointestinal tract weight but favours the growth of cecal *Enterobacteriaceae* in pigs. *Livestock Science*, 119:70-76 (IF: 1.091; position 20 out of 45 in JCR category Agriculture, Dairy and Animal Science).
2. **Martín-Peláez S**, Gibson GR, Martín-Orúe SM, Klinder A, Rastall RA, La Ragione RM, Woodward MJ, Costabile A (2008). *In vitro* fermentation of carbohydrates by porcine fecal inocula and their influence on *Salmonella* Typhimurium growth in batch culture systems. *FEMS Microbiology Ecology*, 66:608-619 (IF: 3.335; position 25 out of 91 in JCR category Microbiology).
3. ***Martín-Peláez S**, Martín-Orúe SM (2008). Feeding strategies for the control of *Salmonella* in pigs. *Food Science and Technology Bulletin*, 5:39-49 doi: 10.1616/1476-2137.15487, ISSN 1476-2137.
4. Napolitano A, Costabile A, **Martín-Peláez S**, Vitaglione P, Klinder A, Gibson GR, Fogliano V (2009). Potential prebiotic activity of oligosaccharides obtained by enzymatic conversion of durum wheat insoluble dietary fibre into soluble dietary fibre. *Nutrition, Metabolism and Cardiovascular Diseases*, 19:283-290 (IF: 3.517; position 10 out of 66 in JCR category Nutrition and Dietetics).
5. **Martín-Peláez S**, Manzanilla EG, Anguita M, Fondevila M, Pérez JF, Martín-Orúe SM (2009). Different fibrous ingredients and coarsely ground maize affect hindgut fermentation in the pig *in vitro* but not *Salmonella* Typhimurium survival. *Animal Feed Science and Technology*, 153:141-152 (IF: 1.866; position 4 out of 50 in JCR category Agriculture, Dairy and Animal Science).
6. **Martín-Peláez S**, Peralta B, Creus E, Dalmau A, Velarde A, Pérez JF, Mateu E, Martín-Orúe SM (2009). Different feed withdrawal times prior to slaughter influence cecal fermentation and faecal *Salmonella* in pigs. *Veterinary Journal*, 182:469-473 (IF: 2.323; position 6 out of 142 in JCR category Veterinary Sciences).
7. **Martín-Peláez S**, Costabile A, Hoyles L, Rastall RA, Gibson GR, La Ragione RM, Woodward MJ, Mateu E, Martín-Orúe SM (2010). Evaluation of the inclusion of a mixture of organic acids or lactulose into the feed of pigs experimentally challenged with *Salmonella* Typhimurium. *Veterinary Microbiology*, 142:337-345 (IF: 3.256; position 3 out of 145 in JCR category Veterinary Sciences).
8. Costabile A, Sanghi S, **Martín-Peláez S**, Mueller-Harvey I, Gibson GR, Rastall RA, Klinder A (2011). Inhibition of *Salmonella* Typhimurium by tannins *in vitro*. *Journal of Food Agriculture and Environment*, 9:119-124 (IF: 0.517; position 100 out of 128 in JCR category Food Science and Technology).
9. **Martín-Peláez S**, Covas MI, Fitó M, Kušar A, Pravst I (2013). Health effects of olive oil polyphenols: Recent advances and possibilities for the use of health claims. *Molecular Nutrition and Food Research*, 57(5):760-771 (IF: 4.909; position 3 out of 123 in JCR category Food Science and Technology).
10. Hernáez A, Fernández-Castillejo S, Farràs M, Catalán U, Subirana I, Montes R, Solà RM, Muñoz-Aguayo D, Gelabert-Gorgues A, Díaz-Gil O, Nyssönen K, Zunft HJ, de la Torre R, **Martín-Peláez S**, Pedret A, Covas MI, Fitó M (2014). Olive oil polyphenols enhance high-density lipoprotein function in humans. A randomized controlled trial. *Arteriosclerosis, Thrombosis, and Vascular Biology*, 34: 2115-2119 (IF: 6.008; position 5 out of 68 in JCR category Peripheral Vascular Disease).
11. Mosele JI, **Martín-Peláez S**, Macià A, Farràs M, Valls RM, Catalán U, Motilva MJ (2014). Faecal microbial metabolism of olive oil phenolic compounds: *in-vitro* and *in-vivo* approaches. *Molecular Nutrition and Food Research*, 58: 1809-1819 (IF: 4.603; position 4 out of 123 in JCR category Food Science and Technology).
12. Mosele JI, **Martín-Peláez S**, Macià A, Farràs M, Valls RM, Catalán U, Motilva MJ (2014). Study of the catabolism of thymephenols

- combining *in-vitro* fermentation and human intervention. *Journal of Agricultural and Food Chemistry* 62(45): 10954-10961 (IF: 2.912; position 13 out of 123 in JCR category *Food Science and Technology*).
13. Farràs M, Castañer O, **Martín-Peláez S**, Hernández Á, Muñoz-Aguayo D, Subirana I, Muñoz-Aguayo D, Gaixas S, Torre R de L, Farré M, Rubió L, Díaz Ó, Fernández-Castillejo S, Solà R, Motilva MJ, Fitó M (2015). Complementary phenol-enriched oliveoil improves HDL characteristics in hypercholesterolemic subjects. A randomized, double-blind, crossover, controlled trial. The VOHF study. *Molecular Nutrition and Food Research*, 59(9):1758-70 (IF: 4.551; position 5 out of 125 in JCR category *Food Science and Technology*).
 14. Guasch-Ferré M, Babio N, Martínez-González MA, Corella D, Ros E, **Martín-Peláez S**, Estruch R, Arós F, Gómez-Gracia E, Fiol M, Santos-Lozano JM, Serra-Majem L, Bulló M, Toledo E, Barragán R, Fitó M, Gea A, Salas-Salvador J; PREDIMED Study Investigators (2015). Dietary fat intake and risk of cardiovascular disease and all-cause death in a population at high cardiovascular risk. *American Journal of Clinical Nutrition*, 102(6):1563-73 (IF: 6.703; position 3 out of 80 in JCR category *Nutrition and Dietetics*).
 15. ***Martín-Peláez S**, Castañer O, Solà R, Motilva MJ, Castell M, Pérez-Cano FJ, Fitó M (2016). Influence of phenol-enriched olive oils on human intestinal immune function. *Nutrients*, 8(4):213 (IF: 3.550; position 23 out of 81 in JCR category *Nutrition and Dietetics*).
 16. ***Martín-Peláez S**, Camps-Bosacoma M, Massot-Cladera M, Rigo-Adrover M, Franch A, Pérez-Cano FJ, Castell M (2017). Effect of cocoa's theobromine on intestinal microbiota of rats. *Molecular Nutrition and Food Research*, 61(10) (IF: 5.151; position 5 out of 133 in JCR category *Food Science and Technology*).
 17. ***Martín-Peláez S**, Mosele JI, Pizarro N, Farràs M, de la Torre R, Subirana I, Pérez-Cano FJ, Castañer O, Solà R, Fernandez-Castillejo S, Heredia S, Farré M, Motilva MJ, Fitó M (2017). Effect of virgin olive oil and thyme phenolic compounds on blood lipid profile: implications of human gut microbiota. *European Journal of Nutrition*, 56:119 (IF: 4.423; position 18 out of 83 in JCR category *Nutrition and Dietetics*).
 18. **Martín-Peláez S**, Castañer O, Konstantinidou K, Subirana I, Muñoz-Aguayo D, Blanchart M, Gaixas S, de la Torre R, Farré M, Sáez GT, Nyssönen K, Zunft HJ, Covas MI, Fitó M (2017). Effect of olive oil phenolic compounds on the expression of blood pressure-related genes in healthy individuals. *European Journal of Nutrition*, 56(2):663-670 (IF: 4.423; position 18 out of 83 in JCR category *Nutrition and Dietetics*).
 19. Pedret A, Fernández-Castillejo S, Valls RM, Catalán Ú, Rubió L, Romeu M, Macià A, López de Las Hazas MC, Farràs M, Giral M, Mosele JI, **Martín-Peláez S**, Remaley AT, Covas MI, Fitó M, Motilva MJ, Solà R (2018). Cardiovascular Benefits of Phenol-Enriched Virgin Olive Oils: New Insights from the Virgin Olive Oil and HDL Functionality (VOHF) Study. *Molecular Nutrition and Food Research*, 62(16): e1800456. (IF: 4.653; position 9 out of 135 in JCR category *Food Science and Technology*).
 20. **Martín-Peláez S**, Fitó M, Castañer O (2020). Diet quality benefits on health. The Mediterranean Diet effects on type 2 diabetic subjects prevention, disease progression and molecular mechanisms. Review. *Nutrients*, 12(8), 2236 (IF: 5.719; position 17 out of 88 in JCR category *Nutrition and Dietetics*).
 21. Fernández-Martínez E, Fernández-Villa T, Amezcua-Prieto C, et al. (**Martín-Peláez S**, position 17/18) (2020). Menstrual problems and lifestyle among Spanish university women. *International Journal of Environmental Research and Public Health* 17, 7425. (IF: 4.614; position 45 out of 182 in JCR category *Public, Environmental and Occupational Health*).
 22. Cano-Ibáñez N, Martínez-Galiano, Luque-Fernández MA, et al. (**Martín-Peláez S**, position 4/6) (2020). Maternal Dietary Patterns during Pregnancy and Their Association with Gestational Weight Gain and Nutrient Adequacy. *International Journal of Environmental Research and Public Health*, 17, 7908 (IF: 4.614; position 45 out of 182 in JCR category *Public, Environmental and Occupational Health*).
 23. Román-Gálvez RM, ***Martín-Peláez S**, Martínez-Galiano JM, et al. (2021). Prevalence of Intimate Partner Violence in Pregnancy: An Umbrella Review. *International Journal of Environmental Research and Public Health*, 18(2):707 (IF: 4.614; position 45 out of 182 in JCR category *Public, Environmental and Occupational Health*).
 24. Román-Gálvez RM, ***Martín-Peláez S**, Fernández-Félix BM, et al. (2021). Worldwide Prevalence of Intimate Partner Violence in Pregnancy. A Systematic Review and Meta-Analysis. *Frontiers In Public Health*, 9: 738459 (IF: 6.461; position 18 out of 182 in JCR category *Public, Environmental and Occupational Health*).
 25. Navarrete-Muñoz EM, Vioque J, Toledo E, et al. (**Martín-Peláez S**, position 42/52) (2021). Dietary folate intake and Metabolic Syndrome in participants of PREDIMED-Plus study: A cross-sectional study. *European Journal of Nutrition*, doi:10.1007/s00394-020-02364-4 (IF: 5.619; position 18 out of 88 in JCR category *Nutrition and Dietetics*).
 26. Díaz-Burrueco JR, Cano-Ibáñez N, **Martín-Peláez S**, et al. (2021). Effects on the maternal-fetal health outcomes of various physical activity types in healthy pregnant women. A systematic review and meta-analysis. *European Journal of Obstetrics*,

Gynecology, and Reproductive Biology, 262:203-215 (IF: 2.831; position 46 out of 85 in JCR category *Obstetrics and Gynecology*).

27. Álvarez-Arraño V, *Martín-Peláez S (2021). Effects of Probiotics and Synbiotics on Weight Loss in Subjects with Overweight or Obesity: A Systematic Review. *Nutrients*, 13(10):3627 (IF: 6.706; position 15 out of 90 in JCR category *Nutrition and Dietetics*).
28. Cano-Ibáñez N, Serra-Majem LI, Martín-Peláez S, et al. (2021). Association between the Prime Diet Quality Score and depressive symptoms in a Mediterranean population with metabolic syndrome. Cross-sectional and 2-year follow-up assessment from PREDIMED- PLUS study. *British Journal of Nutrition*, 29:1-10 (IF: 4.125; position 48 out of 90 in JCR category *Nutrition and Dietetics*).
29. Sánchez-Herrero H, Amezcua-Prieto C, Morales-Suárez-Varela M, et al (Martín-Peláez S, position 17/18) (2021). Discrimination and its relationship with risk behaviors and perceived health in Spanish university students: a cross-sectional study. *Revista Española de Salud Pública*, 95:e1-12 (IF: 1.333; position 168 out of 182 in JCR category *Public, Environmental and Occupational Health*).
30. *Martín-Peláez S, Cano-Ibáñez N, Pinto-Gallardo M, Amezcua-Prieto C (2022). The impact of probiotics, prebiotics and synbiotics during pregnancy and lactation on the intestinal microbiota of children born by cesarean section: A systematic review. *Nutrients*, 14(2):341 (IF: 6.706; position 15 out of 90 in JCR category *Nutrition and Dietetics*).
31. *Martín-Peláez S, Serra-Majem LI, Cano-Ibáñez N, et al. (2022). Contribution of cardio-vascular risk factors to depressive status in the PREDIMED-PLUS Trial. A cross-sectional and a 2-year longitudinal study. *PLoS ONE*, 17(4): e0265079 (IF:3.752; position 29 out of 73 in JCR category *Multidisciplinary Sciences*).
32. Romero-Rodríguez E, Amezcua-Prieto C, Morales-Suarez-Varela M, et al (Martín-Peláez S, position 13/17) (2022). Alcohol use and family-related factors among Spanish university students: The unHicos project. *BMC Public Health*, 22(1):1573 (IF:4.135; position 83 out of 210 in JCR category *Public, Environmental and Occupational Health*).
33. Cano-Ibáñez N, Serra-Majem LI, Martín-Peláez S, et al. (2022). Dietary diversity and Depression: Cross-sectional and longitudinal analyses in Spanish adult population with Metabolic Syndrome. Findings from PREDIMED-PLUS Trial. *Public Health Nutrition*, 19;1-13 (IF: 4.539; position 42 out of 90 in JCR category *Nutrition and Dietetics*).
34. Román-Gálvez MR, *Martín-Peláez S, Hernández-Martínez L, Cano-Ibáñez N, Olmedo-Requena R, Martínez-Galiano JM, Bueno-Cavanillas A, Amezcua-Prieto C (2022). Caffeine intake throughout pregnancy, and factors associated with non-compliance with recommendations: A cohort Study. *Nutrients*, 14, 5384 (IF: 6.706; position 15 out of 90 in JCR category *Nutrition and Dietetics*).
35. Morales-Suárez-Varela M, Amezcua-Prieto C, Llopis-Gonzalez A. et al (Martín-Peláez S, position 17/18) (2023). Prevalence of depression and fish consumption among first year Spanish University students: UniHcos Project. *Nutrients*, 15, 2757 (IF: 6.706; position 15 out of 90 in JCR category *Nutrition and Dietetics*).
36. Shyam S, García-Gavilán JF, Paz-Graniel I. et al (Martín-Peláez S, position 43/52) (2023). Association of adiposity and its changes over time with COVID-19 risk in older adults with overweight/obesity and metabolic syndrome: a longitudinal evaluation in the PREDIMED-Plus cohort. *BMC Medicine*, 21, 390 (IF: 9.3; position 19 out of 167 in JCR category *Medicine, General & Internal*).
37. Shyam S, García-Gavilán JF, Paz-Graniel I. et al (Martín-Peláez S, position 38/51) (2023). Intensive Lifestyle Intervention for Weight-Loss using Mediterranean Diet and COVID-19 Risk in Older Adults: Analysis of PREDIMED-Plus Trial. *The Journal of Nutrition, Health & Aging. In press JNHA-D-23-00864R* (IF: 5.8; position 18 out of 88 in JCR category *Nutrition and Dietetics*)

EDUCATIONAL PUBLICATIONS

38. Barrios-Rodríguez R, Salcedo-Bellido I, Jiménez-Moleón JJ, et al. (Martín-Peláez S, position 10/15) (2022). Peer review of teaching: using the nominal group technique to improve a program in a University setting with no previous experience. *Journal for Academic Development*. In press (IF: 2.929; position 83 out of 265 in JCR category *Education and Educational Research*)
39. Cano-Ibáñez N, Amezcua-Prieto C, Maes-Carballo M, Martín-Peláez S, Khan KS (2023). Writing convincing manuscripts for peer-reviewed medical journals: drafting a systematic review article. *Acta Bioclinica*, 13(24):1-22. ISSN: 2244-8136

BOOK CHAPTERS

Nutrigenomics: Application to the Development of Nutraceuticals and Cosmeceuticals. (2012). M.T.Ravi Subbiah. Nova Science Publishers, New York. ISBN 9781624170751

- *Nutrigenomic Effects of Olive Oil on Cardiovascular Risk.* Fitó M, Martín-Peláez S, Castañer O, Konstantinidou V. Pag 21- 34.

Manual para Técnico Superior de Laboratorio Clínico y Biomédico (Handbook for Senior Clinical and Biomedical Laboratory Technician). (2023). Mérida FJ and Moreno EE. Panamericana Ed. Madrid, Spain.

- **Martín Peláez S**, Román Gálvez MR, Cano Ibáñez N. Reconocimiento de la estructura y organización general del organismo humano (Recognition of the structure and general organization of the human organism). Pag. 295-302.
- Massó-Guijarro P, Cano-Ibáñez N, **Martín-Peláez S**. Identificación del proceso del desarrollo de la enfermedad (Identification of the disease development process). Pag. 303-312.
- Riquelme-Gallego B, Román-Gálvez MR, **Martín-Peláez S**. Reconocimiento de trastornos hemodinámicos y vasculares (Recognition of hemodynamic and vascular disorders). Pag. 359-370.

CONFERENCE CONTRIBUTIONS

PUBLISHED IN PEER-REVIEWED JOURNALS

1. Castillo M, Rodríguez C, **Martín-Peláez S**, *et al.* (2005). Effect of mannan-oligosaccharides and (or) organic zinc on the intestinal microbiota and immune response of early-weaned pig. *Journal Of Animal Science* 83 - suppl, pp. 83 – 83. Joint Meeting of the ADSA, ASAS. Cincinnati, USA.
2. **Martín-Peláez S**, Manzanilla EG, Fondevila M, *et al.* (2005). In vitro characterization of corn, sugar beet pulp and wheat bran as a source of dietary fibre for growing pigs. *ITEA-Informacion Tecnica Economica Agraria* 26 (II): 491-493. XI Joint Meeting on Animal Production. Zaragoza, Spain.
3. Manzanilla EG, **Martín-Peláez S**, Martín-Orúe SM, *et al.* (2005). In vitro study of the effect of different plant extracts on gas production of the digestive content of the early weaned pig. *ITEA-Informacion Tecnica Economica Agraria* 26 (II): 494-496. XI Joint Meeting on Animal Production. Zaragoza, Spain.
4. **Martín-Peláez S**, Creus E, Peralta B, *et al.* (2007). Effects of feed withdrawal times prior to slaughter on cecal fermentation and *Salmonella* shedding at the abattoir. *Journal of Animal Science*, 85 (1): 32. Joint Meeting of the ADSA, ASAS, PSA. San Antonio, Texas, USA.
5. **Martín-Peláez S**, Peralta B, Creus E, *et al.* (2007). Effect of fasting hours on cecal fermentation and *Salmonella* excretion in slaughterhouses *ITEA-Informacion Tecnica Economica Agraria* 28 (I): 258-260. XII Joint Meeting on animal production. Zaragoza, Spain.
6. **Martín-Peláez S**, Martín-Orúe SM, Pérez JF, *et al.* (2007). Effects of feed withdrawal and lairage time prior to slaughter on the gut environment and cecal Enterobacteriaceae in finishing pigs. *Journal of Animal Science*, 85 (1): 32. Joint Meeting of the ADSA, ASAS, PSA. San Antonio, Texas, USA.
7. **Martín-Peláez S**, La Ragione R, Woodward MJ, *et al.* (2007). Probiotics and prebiotics to control *Salmonella* Typhimurium in farm animals. *CIBUS* 3: 40. 4th Probiotics, Prebiotics & New Foods jointly with XXX International Congress on Microbial Ecology and Disease (SOMED). Roma, Italy.
8. **Martín-Peláez S**, Mosele JI, Pizarro N, *et al.* (2015). Effect of phenolic compounds-enriched olive oils on human gut microbial populations and metabolites. Possible influence on lipid profile. *Nutrición Hospitalaria* 31 (I): 142. I Workshop Probiotics, Prebiotics and Health: Scientific Evidence. Oviedo, Spain.
9. **Martín-Peláez S**, Rigo- Adrover M, Camps-Bossacoma M, *et al.* (2015). Gut microbiota and mucosal immunity are influenced by cocoa theobromine. *Nutrients*. 7(12):9785-9803. 2nd International Congress on Chocolate and Cocoa in Medicine. Barcelona, Spain.

PUBLISHED ELSEWHERE

10. **Martín Peláez S**, Manzanilla EG, Anguita M, *et al.* (2006). In vitro study of *Salmonella* surveillance in the hindgut of pigs supplemented with different types of dietary fibre. IS3 International Symposium of *Salmonella* and Salmonellosis. Saint Maló, France.
11. Costabile A, **Martín-Peláez S**, Martín-Orúe SM, *et al.* (2007). Determination of the inhibitory spectrum of pre, pro and synbiotics against *Salmonella* Typhimurium. Conference on Gastrointestinal Function (CGIF2007). Chicago, USA.
12. Sanghi S, Costabile A, **Martín-Peláez S**, *et al.* (2007). Determination of the inhibitory spectrum of the tannin extracts against *Salmonella* Typhimurium. International Scientific Association for Probiotics and Prebiotics (ISAPP). London, UK.
13. Costabile A, **Martín-Peláez S**, Martín-Orúe SM, *et al.* (2007). Determination of the inhibitory spectrum of different prebiotics against *Salmonella* Typhimurium. International Scientific Association for Probiotics and Prebiotics (ISAPP). London, UK.
14. **Martín-Peláez S**, Gibson GR, Martín-Orúe SM, *et al.* (2008). Probiotics and prebiotics to control *Salmonella* Typhimurium in farm

animals. XII International Symposium on Microbial Ecology. Cairns, Australia.

15. **Martín-Peláez S**, Costabile A, Hoyles L, *et al.* (2009). Evaluation of the inclusion of a mixture of organic acids or lactulose into the feed of pigs experimentally challenged with *Salmonella* Typhimurium. XI International Symposium on Digestive Physiology of Pigs. Montbrío del Camp, Spain.
16. Fitó M, Konstantinidou V, Khymentis O, Pujadas M, Muñoz-Aguayo D, Castañer O, Farras M, Gaixas S, Heredia S, Blanchart G, **Martín-Peláez S**, *et al.* (2011). Polyphenols as medicalized food to prevent cardiovascular risk. I World Summit on Medicalized Food & Medical Nutrition: The Emerging Market of Therapeutic Complements Science, Regulation and Market. París, France.
17. ***Martín-Peláez S**, Mosele J, Pizarro N, *et al.* (2014). Potential prebiotic activity of phenolic compounds-enriched virgin olive oil and its influence on lipid metabolism in hypercholesterolemic humans. II World Congress on Targeting Microbiota. París, France.
18. ***Martín-Peláez S**, Camps- Bosacoma M, Massot-Cladera M, Rigo-Adrover M, Franch A, Pérez-Cano FJ, Castell M (2017). Is theobromine responsible of the cocoa effects on rat's gut microbiota? VIII Workshop Spanish Society of Probiotics and Prebiotics (SEPyP). Santiago de Compostela, Spain, 2017.
19. Cano-Ibáñez N, Riquelme-Gallego B, García-Molina L, López-Maldonado A, Moreno-Roldán E, **Martín-Peláez S** (2019). Transversal study on the influence of the geographical area of residence in the inappropriate intake of nutrients in older adults with metabolic syndrome in Spain. VIII Ibero-American Nutrition Congress. Pamplona, Spain.
20. Lozano-Lorca M, García-Caballo M, Vázquez-Alonso F, Sánchez-Pérez MJ, Barrios-Rodríguez R, **Martín-Peláez S**, *et al.* (2019). Compliance with healthy lifestyles (WCRF / AICR) and prostate cancer. CAPLIFE study. XXXVII Annual Meeting of the Spanish Society of Epidemiology (SEE). Oviedo, Spain.
21. Amezcua-Prieto C., Lozano-Lorca M, Barrios-Rodríguez R, Vázquez-Alonso F, **Martín-Peláez S** *et al.* (2019). Sedentarism and prostate cancer risk. CAPLIFE study. XXXVII Annual Meeting of the Spanish Society of Epidemiology (SEE). Oviedo, Spain.
22. Cano-Ibáñez N, Sánchez-Villegas A, **Martín-Peláez S**, Riquelme-Gallego B, García- Molina L, Bueno-Cavanillas A (2020). *Diet and depression: role of dietary diversity on depressive symptomatology in Spanish adults with metabolic syndrome*. I Virtual Congress of The Spanish Society of Epidemiology (SEE) and the Portuguese Association of Epidemiology (APE).
23. Cano-Ibáñez N, Sánchez-Villegas A, Amezcua-Prieto C, **Martín-Peláez S**, Riquelme-Gallego B, Bueno- Cavanillas A (2021). Are depressive symptoms associated with dietary quality? Cross-sectional analysis and after 2 years of follow-up in the PREDIMED-PLUS study. XXXIX Congress of The Spanish Society of Epidemiology (SEE) and the Portuguese Association of Epidemiology (APE).
24. Cano-Ibáñez N, Benito-Villena R, Román-Gálvez RM, **Martín-Peláez S**, Khan KS, Martínez-Galiano JM, Mozas-Moreno J, Amezcua-Prieto C (2023). Gestational weight gain and symptoms. A secondary analysis of the clinical trial Walking_Preg Project (WPP). XLI Congress of The Spanish Society of Epidemiology (SEE) and the Portuguese Association of Epidemiology (APE). Porto, Portugal.

STAGES

TYPE	COUNTRY	CENTRE	STARTED	MONTHS
Predoctoral	GREECE	<i>Dep. of Biochemistry and Biotechnology.</i> School of Health Sciences. University of Thessaly	2022	12
	SPAIN	<i>Dep. of Biochemistry and Physiology.</i> Faculty of Pharmacy and Nutritional Sciences. University of Barcelona	2014	13
	SPAIN	<i>Dep. of Nutrition and Food Science.</i> School of Pharmacy. University of Granada	2003	6
Postdoctoral	UNITED KINGDOM	<i>Dep. of Food and Nutritional Sciences.</i> School of Chemistry, Food Biosciences & Pharmacy. The University of Reading	2008	6
	UNITED KINGDOM	<i>Dep. of Food and Nutritional Sciences.</i> School of Chemistry, Food Biosciences & Pharmacy. The University of Reading	2006	30
	SPAIN	<i>Dep. of Animal and Food Sciences.</i> School of Veterinary Sciences. Autonomous University of Barcelona	2004	2

ACADEMIC ACTIVITY

OFFICIAL TEACHING

SUBJECT	UNDERGRADUATE/MASTER	UNIVERSITY*	ACADEMIC YEAR (hours)
NUTRITION	University degree "VETERINARY SCIENCES"	UAB	2006-2007 (18)
FOOD MICROBIOLOGY	Master degree "FOOD SCIENCES"	UoR	2007-2008 (30)
FOOD HYGIENE AND SAFETY	University degree "FOOD SCIENCE AND TECHNOLOGY"	UGR	2022-2023 (60)
SPECIAL PUBLIC HEALTH	University degree "HUMAN NUTRITION AND DIETETICS"	UGR	2022-2023 (37.5)
PHYSIOLOGY AND PHYSIOPATHOLOGY	University degree "PHARMACY"	UB	2014-2015 (21)
FUNDAMENTS OF RESEARCH IN HEALTH	University degree "MEDICINE"	UGR	2018-2021 (66)
METHODOLOGY OF RESEARCH	University degree "OCUPATIONAL THERAPY"	UGR	2018-2021 (202.5)
ICT'S AND METHODOLOGY OF RESEARCH	University degree "NURSING"	UGR	2018-2021 (147.2)
PUBLIC HEALTH	University degree "OCUPATIONAL THERAPY"	UGR	2018-2021 (190)
EPIDEMIOLOGY AND PUBLIC HEALTH	University degree "ODONTOLOGY"	UGR	2022-2023 (25)
HEALTH PROMOTION IN PREGNANCY	MSc degree "Research and Advances in Preventive Medicine and Public Health"	UGR	2020-2021 (10)
PATIENT SAFETY	MSc degree "Research and Advances in Preventive Medicine and Public Health"	UGR	2020-2021 (10)
TEACHING INNOVATION AND EDUCATIONAL RESEARCH	MSc "Training of secondary education teachers, vocational training and language teaching"	UGR	2020-2021 (10)

*UGR, University of Granada (Spain); UB, University of Barcelona (Spain); UAB, Autonomous University of Barcelona (Spain); UoR, The University of Reading (UK).

EVALUATION OF TEACHING ACTIVITY

Student's annual evaluation of teaching capacities (mean): 4.5/5 (2018-2029); 4.7/5 (2019-2020); 4.8/5 (2020-2021)

PARTICIPATION IN TEACHING INNOVATION PROJECTS

- *Teaching feedback project*. Ref. 19-27. University of Granada, Schedule FIDO UGR 2018-2020. Role: Investigator.
- *Design and application of two epidemic simulation games: food poisoning and COVID-19*. Ref. 20-136. University of Granada, Schedule FIDO UGR 2020-2022. Role: Investigator.

SUPERVISIONS

PHD STUDENTS

Sambrano D. *Genetic, biochemical, and nutritional factors related to Vitamin D levels in tuberculosis patients*. University of Granada, Spain. 2020-ongoing.

MASTER STUDENTS

1. Ahmed Saleh T. *Analysis of the effects of olive oil and thyme polyphenols on the intestinal microbial ecosystem and their influence on cardio-vascular risk factors. Preliminary work*. University Pompeu Fabra (Barcelona), Spain, 2012.
2. Yagüe, Alejandro. *Probiotics guide for women's health. A review of randomized controlled trials*. UGR, Spain, 2019-2020.
3. Pingal, Miguel. *The impact of probiotics during pregnancy and lactation on the intestinal microbiota of children born by cesarean section. A systematic review*. UGR, Spain, 2020-2021.
4. Álvarez, Valentina. *Effects of probiotics and symbiotics on gut microbiota on weight loss in subjects with overweight or obesity: a systematic review*. UGR, Spain, 2020-2021.
5. El Founti Khsim, Ijlas. *Listeriosis in pregnancy: An umbrella review of maternal exposure, treatment, and neonatal complications*. UGR, Spain, 2020-2021.
6. Murcia, Yamile. *Food additives and their role on gut microbiota. A systematic review*. UGR, Spain, 2022-2023. Ongoing

DEGREE'S FINAL THESIS

1. Capra, Andrea. *Modulation of the gut microbiota through the diet*. UGR, Spain, 2018-2019.
2. Ruiz, Angela. *Role of the brain-gut axes in health*. UGR, Spain, 2018-2019.
3. Osorio, Manuela. *Gut microbiota and health. Effect of probiotics and prebiotics on allergies*. UGR, Spain, 2019-2020.
4. Herrera, Andrea. *Benefits of Physical activity through lifetime*. UGR, Spain, 2018-2019.
5. Fernández, María. *Nutrition and health promotion during childhood*. UGR, Spain, 2019-2020.
6. Montiel, Sandra. *Lifestyles and early prevention on addictions*. UGR, Spain, 2019-2020.
7. Corral, Alba. *Benefits of physical activity on people diagnosed with depression*. UGR, Spain, 2019-2020.
8. Aragón, Paula. *The use of probiotics as a preventive strategy against preterm birth*. UGR, Spain, 2020-2021.
9. Augusto, Vanesa. *Disruptive elements of the intestinal microbial balance: exposure to antibiotics during pregnancy in the newborn. Systematic review*. UGR, Spain, 2020-2021.
10. Martínez, Laura. *Dietary interventions and breast cancer*. UGR, Spain, 2022-2023.

VISITING PHD STUDENTS

Anastacio, Fidelina (2019). Department of Preventive Medicine and Public Health. Faculty of Medicine. University of Granada, Spain.

MEMBER OF EXAMINATION PANELS

PHD

- Guerra A. *Prebiotic and probiotic strategies in the prevention and control of post-weaning colibacillosis in piglets*. Autonomous university of Barcelona. Barcelona, Spain, 2013.
- Vicente F. *A new food frequency questionnaire to assess cocoa consumption and its relationship with health in University students*. University of Barcelona. Barcelona, Spain, 2016.

MASTER THESIS

- Master "Research and advances in preventive medicine and public health", UGR: 2019-2020, 5 master theses.

DEGREE THESIS: 42 degree theses.

SCIENTIFIC DISSEMINATION AND OUTREACH ACTIVITIES

- Co-author of a registered scientific game
- **Topic Editor-in-Chief:** "[Probiotics, Prebiotics and Postbiotics in Human Health](https://www.mdpi.com/topics/Probiotics_Prebiotics_Postbiotics_Health)" in NUTRIENTS (2021-2022). https://www.mdpi.com/topics/Probiotics_Prebiotics_Postbiotics_Health
- **Guest editor** for the Special Issue "[Dietary Bioactives, Gut Microbiota, and Human Health](https://www.mdpi.com/journal/nutrients/special_issues/Dietary_Bioactives)" in NUTRIENTS (2021-2022). https://www.mdpi.com/journal/nutrients/special_issues/Dietary_Bioactives
- **Co-guest editor** for the Special Issue "Diet Quality and Human Health" in NUTRIENTS (2020). https://www.mdpi.com/journal/nutrients/special_issues/diet_quality_human_health
- **Topic board member "Prebiotics and Probiotics"** in NUTRIENTS (since 2020) https://www.mdpi.com/journal/nutrients/topic_editors/Prebiotics_Probiotics
- **Member of organizing committee and Chairperson.** 2nd International Congress on Chocolate and Cocoa in Medicine. Barcelona, Spain, 2015.
- **Reviewer** of 42 articles in JCR journals <https://www.webofscience.com/wos/author/record/1323833>
- **Coordinator** of the University degree subjects (University of Granada):
 - 2018/2021: "Methodology of Research"
 - 2019/2021: "Public Health"
 - 2022/2023: "Food Hygiene and Safety" and "Epidemiology and Public Health"
- **Co-coordinator** of the **module of permanent training** of REGICOR (Girona Heart Registry) research group. Mar Institute of Medical Research (IMIM). Barcelona, 2012-2014.
- **Volunteer for Science dissemination into non-scientist audiences:**
 - Open days of the Barcelona Biomedical Research Park. Barcelona, Spain, 2011-2013.
 - Royal Society summer exhibition "A microbial journey through digestion". London, UK, 2007.
 - European Researchers' night: "Effects of alcohol on motor coordination" and "Microcombat: Learning About Antimicrobial Resistance" activities. Granada, Spain, 2019.

<https://lanochedelosinvestigadores.fundaciondescubre.es/investigador/sandra-martin-pelaez/>

- **Invited speaker** (*talk title, place, year*):
 - **Microbiota and pregnancy.** Second International Symposium Feeding, Nutrition and Innovation. Universidad Veracruzana, Mexico, 2022.
 - **Gut Microbiota from Humans (and other animals).** Department of Biochemistry and Biotechnology, University of Thessaly. Greece, 2022.
 - **Gut microbiota and pregnancy: Importance and modulatory factors.** Faculty of Medicine, University of Granada, 2022, 2023.
 - **Microbiota and health. How to balance our gut microbiota?** Centre for contemporaneous culture “La Madraza”, University of Granada, Spain, 2019.
 - **Feeding gut microbiota for better health.** Institute for Research in Biomedicine (IRB), Barcelona, Spain, 2016.
 - **Effect of the consumption of phenolic compounds-enriched olive oils on human gut microbiota. Possible influence on lipid profile.** Autonomous University of Barcelona, Spain, 2015.
 - **Feeding strategies for the control of Salmonella Typhimurium in pigs.** University of Reading, United Kingdom, 2007.
 - **Probiotics and prebiotics to control Salmonella Typhimurium in farm animals.** University of Reading, United Kingdom, 2006
- **Teaching** in the educational activity "Evidence-based medicine: Critical evaluation and publication". Doctoral School of Health Sciences. University of Granada, 2021.

OTHER MERITS

MEMBERSHIP OF SCIENTIFIC ADVISORY COMMITTEES, SOCIETIES, NETWORKS

- Spanish Society of Microbiota, Probiotics and Prebiotics (SEMiPyP).
- Cardiovascular Risk and Nutrition (CARIN) group (2011-2016).
- National Biomedical Research Networking Centre (CIBER) - Physiopathology of Obesity and Nutrition (2014-2018).
- National Biomedical Research Networking Centre (CIBER) – Epidemiology and Public Health (2023-current).
- Research group CTS-137: Preventive Medicine and Public Health.

LANGUAGES

<i>Language</i>	<i>Level</i>
Spanish	Mother tongue
Greek	C1 (MINISTRY OF EDUCATION, LIFELONG LEARNING AND RELIGIOUS AFFAIRS, Greece 2020)
English	B2 (FIRST CERTIFICATE IN ENGLISH, UNIVERSITY OF CAMBRIDGE, 2003)