



CURRICULUM VITAE (CVA)

Part A. PERSONAL INFORMATION

CV date

04/10/2023

First name	Marina		
Family name	Sánchez Hidalgo		
Gender (*)	Female	Birth date	04/05/1980
e-mail	hidalgosanz@us.es	URL Web SISIUS: Ficha personal: Marina Sánchez Hidalgo	
Open Research and Contributor ID (ORCID)(*)	ResearchID: E-9231-2010		
ORCID: 0000-0002-9210-2404	Scopus: 7211149464		

A.1. Current position

Position	SENIOR LECTURER		
Initial date	18-12-2018		
Institution	UNIVERSITY OF SEVILLE		
Department/Center	PHARMACOLOGY	FACULTY OF PHARMACY	
Country	SPAIN	Teleph. Number	650320402
Key words	ARTHRITIS, AUTOIMMUNE DISEASES, EPIGENETICS, FUNCTIONAL FOODS, INFLAMMATION, LUPUS, MELATONIN, OLIVE OIL		

A.2. Previous positions (research activity interruptions, art. 45.2.c)

Period	Position/Institution/Country/Interruption cause
18/12/18 - actually	Senior Lecturer/university of Seville
Sep-2018	Visiting researcher/The Federal University of Pernambuco/Brasil
11/07/2012-17/12/2018	Lecturer/ University of Seville/Spain
01/02/2011-31/08/2011	Visiting researcher Jose Castillejo/University of Southampton/UK
15/01/2010-10/07/2012	Assistant Professor/University of Seville/Spain.
27/10/2009 -14/10/2009	PostGraduate Teaching Assistant/University of Seville/Spain.
01/01/2009-26/10/2009	Postdoctoral Fellow Subprograma Juan de la Cierva/Virgen del Rocío Hospital/ Fundación Reina Mercedes investigación sanitaria/Spain
01/10/2008-31/12/2008	Postdoctoral Research Associate Excellence Research Junta de Andalucía/University of Seville/Spain.
01/04/2008-30/09/2008	Superior technician/University of Seville/Spain.
01/01/2004-01/01/2008	FPU Predoctoral Fellow/ University of Seville/Spain.
2012/2013	Research Assistant collaboration fellowship /University of Seville/Spain.

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
Degree in Pharmacy	University of Seville/Spain	2003
Expert in Pharmaceutical Care	University of Sevilla/Spain	2005
PhD in Pharmacy (European mention)	University of Sevilla/Spain	2008

Part B. CV SUMMARY: Senior Lecturer at the University of Seville with 3 six-year research periods and 2 five-year teaching periods. She holds a PhD in Pharmacy from University of Seville (2008), obtaining the qualification of outstanding cum laude with European mention. She is an Expert in Pharmaceutical Care (2005). Accredited in professional categories B and C (RD 1201/2005 of 10 October). Researcher in CTS-259 group "Experimental Pharmacology and Clinical Pharmacy" :: [Farmacología Experimental y Farmacia Clínica | Bienvenidos :: \(us.es\)](#) of Andalusian Regional Government since 2003 and continuing at present. She has been carrying out experimental preclinical studies in digestive system Pharmacology area, investigating pharmacodynamics of new targets and natural products with therapeutic interest and role of melatonin in the immune system. In recent years, her lines of research have been directed towards the fields of rational use of medicines and

nutrition and health. Specifically, her research has focused on studying the effects of diets enriched in olive oil and other vegetable oils on immuno-inflammatory processes such as ulcerative colitis and its derivation to colorectal cancer (AGL2005-05132, AGL2008-02475), and extra virgin olive oil functionalism in experimental rheumatoid arthritis (P-10AGR6609) and systemic lupus erythematosus (AGL2011-26949, AGL2017-89342-P). She has been also involved in two challenge-collaboration projects (RTC-2015-4437-1, RTC-2017-6643-1) investigating the efficacy of new mucoadhesive preparations in inflammatory digestive pathology. Her scientific trajectory is solid thanks to the competitive funding that has given rise to important projects in which she has participated as principal investigator and as researcher team. Particularly, she has participated in 13 research projects (1 international, 9 national and 3 regional) and she is responsible of 3 grants. She has realized international stays at University of Texas Health at San Antonio, USA, University of Southampton, United Kingdom and University of Pernambuco, Brasil. All this has contributed to her acquires great experience in molecular and cellular biology and biochemistry techniques: Western blot, RT-PCR, ELISA, Histology, Immunohistochemistry, Flow cytometry, tissue culture, cloning and epigenetics, among others. This background is supported by more than 71 publications (*h*-Index: 31; 58.62 %Q1 JCR; Total citations: 2.569) in prestigious international journals in the fields of Nutrition, Food Science and Technology and Pharmacology (articles in *Br J Pharmacol*, *Mol Nutr Food Res.*, *Nutrients*, *J Agric Food Chem*, *Antioxidants* etc.), 5 book chapters, 115 communications to national and international congresses, 5 assists as invited speaker (4 international and 1 national) and 4 prestigious awards: Premio Extraordinario de Doctorado (University of Seville, 2007/2008), Premio Mejores Tesis Doctorales (Ayuntamiento de Sevilla), Premio Investigación Universitaria (V gala Gurumelo, Ayuntamiento de Calañas) and Premio nacional Joven Investigador (Sociedad Española de Farmacología, 2015). She is reviewer for several scientific journals and is guest Editor in *Foods*, member of the Federation of European Pharmacological Societies and Spanish Society of Pharmacology. **Training and academic background:** she has wide experience in graduate and post graduate training since 2006 and taught more than 15 different subjects in 3 degrees (Pharmacy, Basical and Experimental Biomedicine and Optics and Optometry) and 2 postgraduate Master (MAES and Master'sDegree in Professional Specialization in Pharmacy). She also has supervised 6 Doctoral Thesis (4 of them received international mention and 1 of them received an extraordinary doctoral award), 25 Master final Projects (TFM) projects and 14 Degree Final Projects (TFG). Currently, she is mentoring 5 PhD students. Additionally, she has led 3 multidisciplinary and competitive innovative teaching projects, funded through plan Propio de docencia (University of Seville) and participates in an international teaching project in collaboration with West Virginia University. Additionally, she participated and was a finalist in both an entrepreneurship programme at the University of Seville and in the International Mentoring Foundation for the Advancement of Higher Education (IMFAHE) programme. Full CV available at [SISIUS: Ficha personal: Marina Sánchez Hidalgo](#)

Part C. RELEVANT MERITS

C.1. Publications (selected 10 of 71; *MSH as Senior/correspondence author)

1. Castejón, ML; Alarcón-de-la-Lastra, C; Rosillo, MA; Montoya, T; Fernández-Bolaños, JG.; González-Benjumea, A; **Sánchez-Hidalgo, Marina***. A new peracetylated oleuropein derivative ameliorates joint inflammation and destruction in a murine collagen-induced arthritis model via activation of the nrf-2/ho-1 antioxidant pathway and suppression of mapks and nf-kb activation, 2021. *NUTRIENTS*, 13 – 2: 1-15. (7/7). DOI: [10.3390/nu13020311](https://doi.org/10.3390/nu13020311). *Food Science* (18/308). **IF: 5.429. D1. Citations: 1**
2. Montoya, T; **Sánchez-Hidalgo, M**; Castejón, ML; Rosillo, MA; González-Benjumea, A; Alarcón-de-la-Lastra, C. Dietary oleocanthal supplementation prevents inflammation and oxidative stress in collagen-induced arthritis in mice. 2021. *ANTIOXIDANTS*, 10-5. (2/6). DOI: [10.3390/antiox10050650](https://doi.org/10.3390/antiox10050650). *Food Science & Technology* (11/144). **IF: 6.312. D1. Citations: 1**
3. Castejón, ML.; Montoya, T.; Alarcón-de-la-Lastra, C.; González-Benjumea, A.; Vázquez-Román, M. V.; **Sánchez-Hidalgo, M***. Dietary oleuropein and its acyl derivative ameliorate inflammatory response in peritoneal macrophages from pristane-induced SLE mice via canonical and noncanonical NLRP3

inflammasomes pathway, 2020. *FOOD & FUNCTION*. 11-7: 6622-6631 (6/6). DOI: [10.1039/d0fo00235f](https://doi.org/10.1039/d0fo00235f). *Food Science & Technology* (22/144). **IF: 5.396. T1. Citations: 1**

4. Castejón, ML; Montoya, T; Alarcón-de-la-Lastra, C; **Sánchez-Hidalgo, M***. Potential Protective Role Exerted by Secoiridoids from *Olea europaea* L. in Cancer, Cardiovascular, Neurodegenerative, Aging-Related, and Immunoinflammatory Diseases. *Antioxidants* (Basel). 2020;9(2):149. (4/4). DOI: [10.3390/antiox9020149](https://doi.org/10.3390/antiox9020149) *Food Science & Technology* (11/144). **IF: 6.312. D1. Citations: 33**

5. de Andrés, MC.; Meiss, MS.; **Sánchez-Hidalgo, M**; González-Benjumea, A; Fernández-Bolaños, JG.; Alarcón-de-la-Lastra, C; Oreffo, RO.C. Osteoarthritis treatment with a novel nutraceutical acetylated ligstroside aglycone, a chemically modified extra-virgin olive oil polyphenol. (3/7). DOI: [10.1177/2041731420922701](https://doi.org/10.1177/2041731420922701) *CELL & TISSUE ENGINEERING* (4/29). **IF: 7.813. T1. Citations: 2**

6. Castejón, ML.; **Sánchez-Hidalgo, M.**; Aparicio-Soto, M.; Montoya, T.; Martín-LaCave, I.; Fernández-Bolaños, J. G.; Alarcón-de-la-Lastra, C. Dietary oleuropein and its new acyl-derivate attenuate murine lupus nephritis through HO-1/Nrf2 activation and suppressing JAK/STAT, NF-κB, MAPK and NLRP3 inflammasome signaling pathways. 2019. *JOURNAL OF NUTRITIONAL BIOCHEMISTRY*. 74:108229. (2/7). DOI: [10.1016/j.jnutbio.2019.108229](https://doi.org/10.1016/j.jnutbio.2019.108229). *Nutrition & Dietetics* (15/89). **IF: 4.873. T1. Citations: 11**

7. Aparicio-Soto, M; **Sánchez-Hidalgo, M**; Cárdeno, A; Lucena, JM; González-Escribano, F; Castillo, MJ; Alarcón-de-la-Lastra, C. The phenolic fraction of extra virgin olive oil modulates the activation and the inflammatory response of T cells from patients with systemic lupus erythematosus and healthy donors. 2017. *MOLECULAR NUTRITION & FOOD RESEARCH*. 61(8): 1613-4133 (2/7). DOI: [10.1002/mnfr.201601080](https://doi.org/10.1002/mnfr.201601080). *Food Science and Technology* (5/133). **IF: 5.151. D1. Citations: 11**

8. Aparicio-Soto, M; **Sánchez-Hidalgo, M**; Cárdeno, A; Rosillo, MA; Sánchez-Fidalgo, S; Utrilla, J; Martín-Lacave, I; Alarcón-de-la-Lastra, C. Dietary extra virgin olive oil attenuates kidney injury in pristane-induced SLE model via activation of HO-1/Nrf-2 antioxidant pathway and suppression of JAK/STAT, NF-kappa B and MAPK activation. 2016. *JOURNAL OF NUTRITIONAL BIOCHEMISTRY*. 27:278-288. (2/8). DOI: [10.1016/j.jnutbio.2015.09.017](https://doi.org/10.1016/j.jnutbio.2015.09.017). *Nutrition and Dietetics* (11/81). **IF: 4.518. T1. Citations: 44**

9. Rosillo, MA; **Sánchez-Hidalgo, M**; González-Benjumea, A; Fernández-Bolaños, JG.; Lubberts, E; Alarcón-de-la-Lastra, C. Preventive effects of dietary hydroxytyrosol acetate, an extra virgin olive oil polyphenol in murine collagen-induced arthritis. 2015. *MOLECULAR NUTRITION & FOOD RESEARCH*. 59-12: 2537-2546 (2/6). DOI: [10.1002/mnfr.201500304](https://doi.org/10.1002/mnfr.201500304). *Foods Science & Technology* (5/125). **IF: 4.551. D1. Citations: 46**

10. Aparicio-Soto, M.; Alarcón-De-La-Lastra, C.; Cárdeno, A.; Sánchez-Fidalgo, S.; **Sánchez-Hidalgo, M***. Melatonin modulates microsomal PGE synthase 1 and NF-E2-related factor-2-regulated antioxidant enzyme expression in LPS-induced murine peritoneal macrophages. 2014. *BRITISH JOURNAL OF PHARMACOLOGY*. 171-1: 134 - 144. (5/5). DOI: [10.1111/bph.12428](https://doi.org/10.1111/bph.12428). *Pharmacology & Pharmacy* (25/255). **IF: 4.842. D1. Citations: 34**

C.2. Congress

1. Sánchez Hidalgo M*. Diseño e implementación de una escape room educativa en los estudios de farmacia: Farmaescape. I Congreso Internacional de Innovación Docente e Investigación en Educación Superior: Un reto para las Áreas de Conocimiento. Madrid, Spain. 2019. **International invited conference**

2. Montoya, T; **Sánchez Hidalgo, M**; **Castejón, ML**; Rosillo Ramírez, MA; González Benjumea, Alejandro, et. al. Dietary oleocanthal supplementation attenuates inflammation and oxidative stress in collagen-induced arthritis in mice. 3rd Online International Conference on Nutrition and Nutraceuticals. 2021. **International Conference.**

3. Castejón, ML; **Sánchez Hidalgo, M**; Aparicio Soto, M; Montoya, T; Martín Lacave IM, et. al. Dietary oleuropein and its new acyl-derivative prevent murine lupus nephritis through HO-1/Nrf2 activation and suppressing JAK/STAT, NF-κB, MAPK and NLRP3 inflammasome signaling pathways. 3rd Online International Conference on Nutrition and Nutraceuticals. 2021. **International Conference.**

4. Castejón, ML; **Sánchez-Hidalgo, M**; Montoya, T; Aparicio-Soto, M; González-Benjumea A et al. Dietary oleuropein and its new acyl-derivative, attenuate murine lupus nephritis through HO-1/Nrf2 activation

and suppressing JAK/STAT, NF- κ B and MAPK signaling pathways. Póster. 39 congreso de la Sociedad Española de Farmacología (SEF). Las Palmas de Gran Canaria, Spain. 2019. **Poster**

5. Rosillo, MA; **Sánchez-Hidalgo, M**; González-Benjumea, A; Fernández-Bolaños JG; Méndez- Gutiérrez, A et al. Dietary hydroxytyrosol acetate prevents inflammatory response and joint damage in murine experimental arthritis. 35 Congreso de la SEF. Valencia, Spain. 2015. **Conference Award.**

6. Rosillo, MA; **Sánchez Hidalgo, M**; Castejón, ML; Montoya, T; González Benjumea, A et. al. Evoo Phenols, Hydroxytyrosol and Hydroxytyrosol Acetate, Supressed Il-1b-Induced Proinflamatory Mediators Production in Human Synovial Fibroblasts. 37th SEF National Meeting with guest society: the Bristish Pharmacological Society. Barcelona. 2017. **International Conference**

7. Méndez, A; Álvarez-Sánchez, N; Cruz-Chamorro, I; Carrillo-Vico A; Rosillo, MA; Alarcón de la Lastra C; **Sánchez-Hidalgo M***. Efecto de los Polifenoles del Aceite de Oliva Virgen Extra Sobre la Encefalomielitis Autoinmune Experimental, Modelo Animal de Esclerosis Múltiple. XXXII Congreso internacional de la Sociedad Farmacéutica del Mediterráneo Latino (Sevilla). Spain. 2016. **Poster**

8. Aparicio-Soto, M; Alarcón de la Lastra, C; Cárdeno, A; Sánchez-Fidalgo, S; **Sánchez-Hidalgo, M***. Melatonin exhibits anti-inflammatory effect in LPS-induced murine macrophages via NF κ B suppression and Nrf-2 and HO-1 induction. 21th UEGW. Berlín (Germany). 2013. **Poster**

9. Aparicio-Soto, M; Alarcon de la Lastra, C; Cárdeno A; **Sanchez-Hidalgo M***: Melatonin inhibits nitric oxide production and microsomal prostaglandin E synthase-1 expression in LPS-activated murine peritoneal macrophages via NF κ B signalling pathway. 6TH European Congress of Pharmacology.

10. **Sánchez-Hidalgo M***, Cárdeno, A, Ramírez, E, Aparicio-Soto, Rosillo, MA, Alarcón de la Lastra C: Ellagic acid, a natural dietary polyphenol, supresses COX-2 expression in human monocyte thp-1/macrophages through MAPK signalling pathway.XXXIII Congreso SEF.Málaga(Spain).2011.**Best Poster Award.**

C.3. Research projects

- Secoiridoides del olivo en la terapia nutricional del lupus eritematoso sistémico: implicaciones epigenéticas ([PID2021-125488OB-I00](#))
- Funcionalidad del aceite de oliva virgen extra en la prevención de la artritis psoriásica: implicaciones epigenéticas ([PROYEXCEL_00547](#))
- Compuestos fenólicos de la hoja del olivo como nueva herramienta terapéutica para la espondiloartritis axial ([TED2021-130708B-I00](#))
- Cultivo sostenible de bayas de Corema album (L.) D. Don en el entorno de Doñana y su impacto en la salud humana (COREBERRY) ([PLEC2022-009299](#) - Investigador)
- Secoiridoides del olivo como nuevos nutraceuticos moduladores epigeneticos de la respuesta inmunoinflamatoria ([AGL2017-89342-P](#) - Equipo de Investigación)
- Uso de formulaciones poliméricas mucoadhesivas para la erradicación de helicobacter pylori ([RTC-2017-6643-1](#) - Investigador)
- Desarrollo de formulaciones innovadoras con nanopartículas mucoadhesivas para el tratamiento de úlceras mucosales (NANOMUC) ([RTC-2015-4437-1](#) - Investigador)
- Estudio Químico Biodirigido y Caracterización Farmacológica del Aceite de Oliva Virgen Extra en el Lupus Eritematoso Sistémico Experimental. ([AGL2011-26949](#) - Investigador)
- Valoración del Aceite de Oliva Virgen Extra en la Artritis Reumatoide Experimental: Estudio Biodirigido, Caracterización Farmacológica y Desarrollo de Ingredientes Funcionales ([P10-AGR-6609](#) - Investigador)
- Funcionalidad de la fracción insaponificable del aceite de oliva virgen extra en la prevención del cáncer colorrectal ([AGL2008-02475](#) - Otro Investigador)
- Estudios inmunobiológicos y de degeneración neuronal parkinsoniana tras la inactivación génica de la biosíntesis ([P06-CTS-01604](#) - Contratado Técnico).