Fecha del CVA	19/06/2023

Parte A. DATOS PERSONALES

Nombre *	MARÍA MONTSERRAT		
Apellidos *	MARTÍNEZ ORTEGA		
Sexo *	Mujer	Fecha de Nacimiento *	
DNI/NIE/Pasaporte *		Teléfono *	
URL Web	http://biocons.usal.es/people/m-montserrat-martinez-ortega/		
Dirección Email	mmo@usal.es		
Identificador científico	Open Researcher and Contributor ID (ORCID) *	0000-0002-3887-2416	
	Researcher ID	L-5607-2015	
	Scopus Author ID	55481611100	

* Obligatorio

A.1. Situación profesional actual

Puesto	Catedrática de Universidad		
Fecha inicio	2018		
Organismo / Institución	Universidad de Salamanca		
Departamento / Centro	Botánica y Fisiología Vegetal / Facultad de Biología		
País		Teléfono	
Palabras clave			

A.3. Formación académica

Grado/Master/Tesis	Universidad / País	Año
Doctora en Ciencias Biológicas	Universidad de Salamanca / España	1999
Master en Política y Gestión Medioambiental. Memoria de fin de Máster: "Conservación de pteridófitos. El ejemplo del CW hispano".	Universidad Carlos III de Madrid	1994
Grado de Salamanca. Título del trabajo de Grado: "Ensayo fitogeográfico de la pteridoflora de la provincia de Cáceres. Atlas pteridológico". Calificación: Apto "cum laude".	Universidad de Salamanca	1993
Licenciada en Ciencias Biológicas	Universidad de Salamanca / España	1992

A.4. Indicadores generales de calidad de la producción científica

SUMMARY OF LAST TEN YEARS (COMPLETE SUMMARY BELOW):

-PhD Theses supervised: 10.

-Scientific publications, last 10 years: 70 (total), of which 52 are papers published in scientific journals (50 indexed in Web of Science-Journal Citation Reports: 24 Q1, 14 Q2; 9 Q3; 3 Q4) and 18 book chapters; two remaining ones are published in journals indexed in Scimago (SJR).

-R&D projects funded, last 10 years: 11 (1 EU as working group member; 3 national as PR; 2 national as WG member; 1 national as collaborator; 1 regional as PR; 1 regional Excellence programme as WG member; 1 regional as WG member; 1 Infrastructure programme as WG member) , of which 3 are running now.

-Citations (according to Scopus, which includes to date only 74 publications from the 78 published in journals indexed in WOS-JCR): 852 (1322 according to Google Scholar) (1221 according to Research Gate); of which 601 (according to Google Scholar) since 2017.

-h index: 16 (according to Scopus); 19 (according to Google Scholar); since 2017: 14 (according to Google Scholar) -Research interest score (according to Research Gate): 853,7, and 22261 reads.

Access to a summary of cv at: https://www.researchgate.net/profile/M_Martinez-Ortega

Links to ResearchGate, Google Scholar, Scopus at: http://biocons.usal.es/people/m-montserrat-martinez-ortega/

Link to research group BIOCONS http://biocons.usal.es/

Parte B. RESUMEN LIBRE DEL CURRÍCULUM

Full Professor of Botany at the University of Salamanca, head of the Research Group in BIOdiversity, biosystematics and CONServation of vascular plants and fungi-BIOCONS (http://biocons.usal.es/) and scientific director of the Herbarium and Plant DNA Biobank (National DNA Bank; https://nucleus.usal.es/en/herbarium).

I started my scientific career being granted by the Spanish Government (FPI) within the project Flora iberica. My PhD thesis was a biosystematic study of Veronica L. (Plantaginaceae), which I completed partially at the University of Salamanca, the Royal Botanic Garden in Madrid (12 months) and the Royal Botanic Gardens, Kew, U.K. (9 months). Then, I held a thirty-five months postdoc position at the University of Vienna (Institute of Botany) in Austria funded for 24 months by the Spanish Government and then by an Austrian project contract. At that time I learned a lot on DNA markers and phylogenetic data analyses and extended my interest to other Mediterranean genera and to other scientific areas, such as plant evolution, phylogeny, phylogeography and conservation genetics. Back in Salamanca, I first gained a Lecturer position ("Profesora Ayudante Doctora" and "Profesora Contratada Doctora, i3") at the Department of Botany and then became a Reader (Profesora Titular) and set up a research lab (https://www.researchgate.net/lab/M-Montserrat-Martinez-Ortega-Lab).

As an "almost natural consequence" of a career devoted to the phylogeny and evolution of vascular plants, I am at the moment fascinated by polyploidy, hybridization and their ecological and genetic/genomic consequences. To go more in depth into these evolutionary mechanisms, I recently have moved forward and have learned to use several genomic and phylogenomic techniques (i.e., HybSeq and RADSeq), as well as -for example- Species Distribution Modelling, among other methodologies and statistic/bioinformatic pipelines. Moreover, I try to learn as much as I can on ecology and ecophysiology, mainly assisted by my colleagues belonging to BIOCONS.

Many of these modern studies are developed in collaboration with young and promising researchers. I have had the pleasure to supervise 10 PhD Theses in the last 10 years, which has been really challenging, but also productive and fun.

Along my career I was lucky to get/participate in a total of 27 R&D funded projects, 10 of them as Principal Research Scientist or Coordinator (6 in international programmes: 2 European, 2 in Austria, 2 concerted actions), 15 in national programmes and 6 in regional programmes, 2 of them Excellence programmes).

I have published a total of 119 scientific publications, of which 90 are papers published in scientific journals (78 indexed in Web of Science-Journal Citation Reports: 33 Q1, 28 Q2; 13 Q3; 4 Q4) and 22 book chapters. The remaining ones are indexed in SJR, technical documents or dissemination activities.

Along my career, I have performed several (more than 20) research stays in prestigious international institutions (42 months) and have had the great pleasure of collaborating with many colleagues. I have always enjoyed them as chances to learn and progress and sincerely hope there are many other opportunities to come.

I have an already long experience (26 years) teaching Botany and related subjects at several Universities and I am associate editor of the international journal Taxon and, until recently (2020), also of Acta Botanica Croatica.

Access to summary of cv at: https://www.researchgate.net/profile/M_Martinez-Ortega

Access to Google Scholar Profile at: https://scholar.google.es/citations?user=7TfSDZIAAAAJ&hl=es

Access to Scopus Author Profile at: https://www.scopus.com/authid/detail.uri?authorId=55481611100

Parte C. MÉRITOS MÁS RELEVANTES

C.1. Publicaciones

AC: Autor de correspondencia; (nº x / nº y): posición firma solicitante / total autores. Si aplica, indique el número de citaciones

1 **Artículo científico**. D. Pinto-Carrasco; L. Delgado; J.A. Sánchez Agudo; E. Rico; M. MONTSERRAT MARTINEZ-ORTEGA. 2022. Phylogeography and ecological differentiation on strictly Mediterranean taxa: the case of the Iberian endemic Odontites recordonii.AMERICAN JOURNAL OF BOTANY. 109, pp.166-183. ISSN 1537-2197.

2 **Artículo científico**. N. LOPEZ-GONZALEZ; J. BOBO-PINILLA; B. ROJAS-ANDRES; N. PADILLA-GARCIA; J. LOUREIRO; S. CASTRO; M.M. MARTINEZ-ORTEGA. 2021. Genetic similarities versus morphological resemblance: Unraveling a polyploid complex in a Mediterranean biodiversity hotspot.MOLECULAR PHYLOGENETICS AND EVOLUTION. 155, pp.Article 107006. ISSN 1055-7903.

3 **Artículo científico**. D. Pinto-Carrasco; E. Rico Hernández; M.M. MARTINEZ-ORTEGA. 2021. One plus one makes seven: Intricate phylogeographic patterns in Odontites vernus (Orobanchaceae: Rhinantheae) in the Iberian Peninsula.JOURNAL OF SYSTEMATICS AND EVOLUTION. Wiley. https://doi.org/10.1-60, pp.1012-1026. ISSN 1759-6831.

4 **Artículo científico**. J. Bobo-Pinilla; J. Peñas de Giles; N. Padilla-García; M.M. MARTINEZ-ORTEGA. 2021. Phylogeny and phylogeography of Arenaria section Pseudomoehringia.JOURNAL OF SYSTEMATICS AND EVOLUTION. Wiley. 59-2, pp.298-315. ISSN 1759-6831.

5 **Artículo científico**. S. Andrés -Sánchez; V. Lucía-García; M. M. MARTINEZ-ORTEGA; E. RICO. 2021. Proposal to conserve the name Triticum caninum L. (Poaceae) with a conserved type.TAXON. 70-5, pp.1138-1139. ISSN 0040-0262.

6 **Artículo científico**. N. Padilla-García; J.G. SEGARRA-MORAGUES; N. MANCHON; M.M. MARTINEZ-ORTEGA. 2021. Surviving in southern refugia: the case of Veronica aragonensis, a rare endemic from the Iberian Peninsula. ALPINE BOTANY. 131, pp.161-175. ISSN 1664-2201.

7 **Artículo científico**. B.M. ROJAS-ANDRÉS; N. PADILLA-GARCÍA; M. DE PEDRO; et al; M. M. MARTINEZ-ORTEGA. 2020. Environmental differences are correlated with the distribution pattern of cytotypes in Veronica subsection Pentasepalae at a broad scale.ANNALS OF BOTANY. 125, pp.471-484. ISSN 0305-7364.

8 **Artículo científico**. V. LUCIA-GARCIA; K. ANAMTHAWAT-JONSSON; M.M. MARTINEZ-ORTEGA; E. RICO. 2020. Refining and defining the genus Psammopyrum (Triticeae, Poaceae): taxonomic evaluation of Ps. fontqueri with implications for the validity of the genus. PLANT SYSTEMATICS AND EVOLUTION. Springer. 306, pp.32. ISSN 0378-2697.

9 **Artículo científico**. V. Lucía-García; E. Rico; K. Anamthawat-Jónsson; M.M. MARTINEZ-ORTEGA. 2019. Cytogenetic evidence for a new genus of the Triticeae (Poaceae) endemic to the Iberian Peninsula: description and comparison with neighbour genera.BOTANICAL JOURNAL OF THE LINNEAN SOCIETY. WILEY-BLACKWELL PUBLISHING, INC. 191, pp.523-546. ISSN 0024-4074.

10 **Artículo científico**. D. GUTIÉRREZ-LARRUSCAIN; M. SANTOS-VICENTE; M. M. MARTINEZ-ORTEGA; E. RICO. 2019. Typification of 25 names in Inula (Inuleae, Asteraceae), and a new combination in Pentanema.PHYTOTAXA. Magnolia Press. 395-1, pp.17-26. ISSN 1179-3155.

11 **Artículo científico**. D. Gutiérrez-Larruscain; S. Andrés- Sánchez; E. Rico; M.M. MARTINEZ-ORTEGA. 2018. Advances in the systematics and evolution of western Mediterranean representative species of the Pentanema conyzae clade through genetic fingerprinting.JOURNAL OF SYSTEMATICS AND EVOLUTION. Wiley. 57, pp.42-54. ISSN 1759-6831.

12 **Artículo científico**. V. Lucía-García; M.M. MARTINEZ-ORTEGA; E. Rico; K. Anamthawat-Jónsson. 2018. Discovery of the genus Pseudoroegneria (Triticeae, Poaceae) in the Western Mediterranean on exploring the generic boundaries of Elymus.JOURNAL OF SYSTEMATICS AND EVOLUTION. Wiley. 57, pp.23-41. ISSN 1759-6831.

13 **Artículo científico**. N. LOPEZ-GONZALEZ; S. ANDRES-SANCHEZ; B. ROJAS-ANDRES; M.M. MARTINEZ-ORTEGA. 2018. Divide and conquer! Data-mining tools and sequential multivariate analysis to search for diagnostic morphological characters within a plant polyploid complex (Veronica subsect. Pentasepalae, Plantaginaceae).PLOS One. 13-6, pp.e0199818. ISSN 1932-6203.

14 **Artículo científico**. D. GUTIERREZ-LARRUSCAIN; M. M. MARTINEZ-ORTEGA; E. RICO; S. ANDRES-SANCHEZ. 2018. Filago longilanata and F. prolifera (Gnaphalieae: Asteraceae): Two neglected species from the Filago desertorum clade rediscovered.Plant Biosystems. 152-5, pp.1149-1159. ISSN 1126-3504.

15 **Artículo científico**. D. GUTIERREZ-LARRUSCAIN; M. M. MARTINEZ-ORTEGA; E. RICO; S. ANDRES-SANCHEZ. 2018. Filago longilanata and F. prolifera (Gnaphalieae: Asteraceae): Two neglected species from the Filago desertorum clade rediscovered.Plant Biosystems. 152-5, pp.1149-1159. ISSN 1126-3504.

16 **Artículo científico**. N. Padilla-García; T. Malvar-Ferreras; J. Lambourdière; M.M. MARTINEZ-ORTEGA; N. Machon. 2018. Microsatellite marker development for the tetraploid Veronica aragonensis (Plantaginaceae) using next-generation sequencing and high resolution melting analyses.APPLICATIONS IN PLANT SCIENCES. BOTANICAL SOCIETY OF AMERICA, INC. 6-5, pp.e1154. ISSN 2168-0450.

17 **Artículo científico**. S. Mediavilla; M. M. MARTINEZ-ORTEGA; J. Babiano; A. Escudero. 2018. Ontogenetic changes in anti-herbivore defensive traits in leaves of four Mediterranean co-occurring Quercus species.ECOLOGICAL RESEARCH. Springer. 33-3, pp.1093-1102. ISSN 0912-3814.

18 **Artículo científico**. D. GUTIERREZ-LARRUSCAIN; M. SANTOS-VICENTE; A.A. ANDERBERG; E. RICO; M. M. MARTINEZ-ORTEGA. 2018. Phylogeny of the Inula group (Asteraceae: Inuleae): Evidence from nuclear and plastid genomes and a recircumscription of Pentanema.TAXON. 67-1, pp.149-164. ISSN 0040-0262.

19 **Artículo científico**. J. Bobo-Pinilla; J. Peñas de Giles; N. López-González; S. Mediavilla-Gregorio; M.M. MARTINEZ-ORTEGA. 2018. Phylogeography of an endangered disjunct herb: long-distance dispersal, refugia and colonization routes.ANNALS OF BOTANY-PLANTS. OXFORD ACADEMIC. 10: ply047.

20 **Artículo científico**. D. Gutiérrez-Larruscain; T. Malvar Ferreras; M.M. MARTINEZ-ORTEGA; E. Rico; S. Andrés-Sánchez. 2018. Simple Sequence Repeat Markers for Filago subgen. Filago (Gnaphalieae: Asteraceae) and cross-amplification in three other subgenera. APPLICATIONS IN PLANT SCIENCES. BOTANICAL SOCIETY OF AMERICA, INC. 6(8), pp.e1171. ISSN 2168-0450.

21 **Artículo científico**. N. PADILLA-GARCIA; B. ROJAS-ANDRES; N. LOPEZ-GONZALEZ; et al; M.M. MARTINEZ-ORTEGA. 2018. The challenge of species delimitation in the diploid-polyploid complex Veronica subsection Pentasepalae. MOLECULAR PHYLOGENETICS AND EVOLUTION. 119, pp.196-209. ISSN 1055-7903.

22 **Artículo científico**. L. DELGADO; B.M. ROJAS-ANDRÉS; N. LÓPEZ-GONZÁLEZ; N. PADILLA-GARCÍA; M. M. MARTINEZ-ORTEGA. 2018. Veronica angustifolia (Vahl) Bernh.; Veronica austriaca subsp. jacquinii (Baumg.) Watzl; Veronica dalmatica N.Pad.Gar., Rojas-Andrés, López-González & M.M.Mart.Ort.; Veronica kindlii Adam.; Veronica orsiniana Ten.; Veronica prostrata L.; Veronica rosea Desf.; Veronica sennenii (Pau) M.M.Mart.Ort. & E.Rico; Veronica tenuifolia subsp. javalambrensis (Pau) Molero & J.Pujadas; Veronica tenuifolia Asso subsp. tenuifolia; Veronica teucrium L.; Veronica thracica Velen.. In: K. Marhold & J. Kucera, IAPT chromosome data 28.TAXON. 67-6, pp.1235-1236. Versión electrónica extendida pgs. E2-E7.. ISSN 0040-0262.

C.3. Proyectos y Contratos

1 **Proyecto**. PID2020-113442GB-I00, Síndromes de adaptación en rasgos foliares de especies arbóreas: avanzando hacia la comprensión del significado adaptativo de la hibridación en Quercus faginea × Q. pyrenaica (QUERCUSHYBFIT).. Ministerio de Ciencia e Innovación. Universidades. M. Montserrat Martínez-Ortega. (Universidad de Salamanca). 01/09/2021-31/08/2024. 133.342 €. Investigador principal.

2 **Proyecto**. CA18201, Conserve Plants: "An integrated approach to conservation of threatened plants for the 21st Century" https://conserveplants.eu/. Unión Europea. Dr Živa FIŠER. (Universidad de Primorska (Eslovenia)). 15/10/2019-14/10/2023. Miembro de equipo. Miembro investigador activo de los grupos de trabajo 1 (Working Group 1: Improving knowledge in plant biology for appropriate in situ conservation) y 5 (Working Group 5: Genomic approaches in plant ...

3 **Proyecto**. PRIO-CONEX: Priorización para la conservación ex situ de poblaciones de plantas de alta vulnerabilidad al cambio climático y con incertidumbre taxonómica.. Ayudas de la Fundación Biodiversidad F.S.P, en régimen de concurrencia competitiva, para la evaluación de la biodiversidad terrestre española 2020. (SOCIEDAD DE CIENCIAS NATURALES - ARANZADI). 01/07/2020-30/06/2022. 63.334,38 €. Miembro de equipo.

4 **Proyecto**. 18.K131 / 463AC01, Sentando las bases para comprender el significado adaptativo de la autopoliploidía y la variación de rasgos foliares, en una especie herbácea perenne mediterránea paradigmática.. PROGRAMA DE FINANCIACIÓN DE GRUPOS DE INVESTIGACIÓN. PROYECTOS DE INVESTIGACIÓN. MODALIDAD C 2.. (Universidad de Salamanca). 28/10/2019-31/12/2021. 3.000 €. Coordinador.

5 **Proyecto**. SA126G18, Efectos de la senescencia anticipada sobre el balance de carbono en especies leñosas.. M. Montserrat Martínez Ortega. (Junta de Castilla y León). 01/06/2018-01/06/2021. 14.000 €.

6 **Proyecto**. CGL2016-79861-P, Arquitectura de la rama de especies arbóreas y sus efectos sobre la absorción de la luz y la fotosíntesis.. Dirección General de Investigación-MINECO. 1. 30/12/2016-31/12/2020. 38.720 €. Miembro de equipo.