CURRICULUM VITAE (CVA)
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Fecha del CVA	25/01/2022

Part A. PERSONAL INFORMATION

Nombre	María Ángeles
Apellidos	Ortiz Herrera

A.1. Current position

Position	Profesor Titular de Universidad
Initial date	16/11/2018
Institution	Universidad de Sevilla
Department / Center	Biología Vegetal y Ecología / Facultad de Biología
Country	Spain
Key words	Taxonomy; Mating systems; Population genetics; Phylogeography; Evolutionary biology; Conservation

A.2. Previous positions (research activity interuptions, art. 14.2.b))

Period	Position/Institution/Country/Interruption cause
2018	Profesor Contratado Doctor / Universidad de Sevilla
2016-2018	Profesor Ayudante Doctor / Universidad de Sevilla
2014-2009	Profesor Contratado Doctor Interino / Universidad de Sevilla
2009	Investigadora Postdoctoral / University of Bristol (UK)

A.3. Education

PhD, Licensed, Graduate	**University/Country**	**Year**
Diploma de Especialización en Análisis Bioinformático	Universidad Pablo de Olavide / España	2021
Ph D. in Plant Biology	Universidad de Sevilla / España	2008
Bachelor's in Biology	Universidad de Sevilla /España	2000

Part B. CV SUMMARY (max. 5000 characters, including spaces)

Total citations: 595 (Google Scholar), 388 (Scopus). Articles published in WOS: 24; Book chapters: 30; Monograph: 1. h-index: 14 (Google Scholar), 11 (Scopus)

My research career started in my last year as an undergraduate with the study of the genetic incompatibility systems of *Lysimachia* (Heredity 87, 2001). That summer was my first short stay overseas: 3 months in Universidad Autónoma de Yucatán (México) where I studied the family Asteraceae in the area. Before my PhD studies, I studied demography and conservation of 24 endangered plant taxa with Proyecto AFA (Contract: TRAGSA 2001-2003, 2007); publishing 25 book chapters in Atlas y Libro Rojo de la Flora Vascular Amenazada de España (2004); Adenda 2008 (2009) and Poblaciones en peligro: viabilidad demográfica (2009). My PhD grant (FPI) was related to the project Flora iberica VI (REN2002-04634-C05-03, 2003-2006) as well as the project Estrecho de Gibraltar y la evolución de las angiospermas: análisis moleculares, citogenéticos y reproductores (REN2002-04354-C02-02, 2002-2005).

During my PhD, I initiated my research into molecular markers and plant population genetics with a 6 months stay in the Universität Wien (Austria, 2004), where I started a very productive collaboration which is still in progress (Bot J Linn Soc 146, 2004; Mol Phylogenet Evol 35, 2005; Am J Bot 93, 2006). I also had a short stay in Universidade Estadual de Londrina (Brasil, 4 months, 2006) working with cytogenetics (Gene 412, 2008). Later on, I continued my research with Flora iberica VII(2) (CGL2006-00817/BOS, 2006-2010) and two more projects in the topic of Plant evolution in the western Mediterranean region (CGL2005-01951 2005-2008 y EXC/2005/RNM-484 2006-2009), which generated several SCI papers: Mol Ecol 16 & 17 (2007, 2008), Conserv Genet Resour 10 (2009); J Biogeogr 36 (2009); Mol Phylogenet Evol 53 (2009) and book chapters in Flora iberica XVII (2009) Sagittaria L. in; Flora ibérica XVI(II): Compositae (partim, 2017): *Helmintotheca* Vaill., *Trommsdorffia* Bernh., *Achyrophorus* Vaill., *Hypochaeris* L. During 2005-2009 I also joined the research team in a Fundación BBVA contract: Erosión genética durante la radiación evolutiva y su impacto sobre los sistemas reproductores en plantas de América Latina. In this project I had the opportunity to cooperate with researchers from Brasil and Argentina, with whom I still collaborate (Mol Ecol 18, 2009; Mol Phylogenet Evol 53, 2009; Plant Syst Evol 296, 2011; Genet Mol Res 12, 2013; Taxon 62, 2013; Plant Species Biol 31, 2016; Syst Bot Monographs, 2019).

In 2008, I obtained my PhD with my thesis "Biosystematics of *Hypochaeris* sect. *Hypochaeris*" from the Universidad de Sevilla, with Cum Laude and Premio Extraordinario de Doctorado. Then, I join the University of Bristol (UK) for a year in 2009 as a postdoc, following the study of mating systems of *Senecio squalidus*, I continued with another project studying genetic diversity, phylogeography and conservation of andalusian *Abies* (2009-2012, P08-RNM-3703, Junta de Andalucía, Mol Phylogenet Evol 79, 2014). In the last ten years I also focused in Flora iberica projects: Flora iberica VIII(2); IX(2), X(2). Also I worked in two projects with main aim the study of mating systems (CGL2009-08257, 2010-2012 and CGL2012-33270, 2013-2015, Ann Bot 120, 2017 y Am J Bot 105, 2018). I have had a series of different teaching positions with allowed me to continue research from 2003 until now. At the end of 2018 I obtained a permanent position as Profesor Titular de Universidad. Last year I started a new project: Dispersión de plantas en Europa por endozoocoria a través de las aves acuáticas: su papel en el establecimiento de poblaciones de plantas y la conectividad entre ellas (WATERZOO, PID2020-112774GB-I00 TIPO B) where we will study the population genetics of two species, one endemic and another alien, dispersed by endozoochry, with next generation molecular markers. In order to upgrade my knowledge in the area I completed the Diploma de Especialización en Análisis Bioinformático (Universidad Pablo de Olavide, 30 créditos) last year.

In summary I have considerable experience in population genetics, as shown by my participation in nine projects directly focusing on population genetics, and five more (Flora iberica) where molecular phylogeny and intraspecific genetic variation has steadily become more important as the years have passed. I also have 18 papers published in plant genetics in SCI journals.

Part C. RELEVANT MERITS (sorted by typology)

C.1. Selection of the most important publications international peer-reviewed journals (last 10 years)

1. L. Sáez; J. López-Alvarado; P. Fraga; R. Berjano; M.A. Ortiz; C. Romero-Zarco (AC 5/6). 2020. Two New Species of *Aira* (Poaceae) from the Iberian Peninsula and the Balearic Islands. *Systematic Botany.* 45, pp.75-84. ISSN 1548-2324. https:// doi.org/10.1600/036364420X15801369352324
2. R. Berjano, N. L. Rodriguez-Castaneda; P. L. Ortiz; M. A. Ortiz; M. Arista (4/5). 2018. The link between selfing and greater dispersibility in a heterocarpic Asteraceae *American Journal of Botany.*105, pp.2065-2074. ISSN 0002-9122. https://doi.org/10.1002/ajb2.1207
3. M. Arista; R. Berjano; J. Viruel; M. A. Ortiz; M. Talavera; P. L. Ortiz (4/6). 2017. Uncertain pollinationenvironment promotes the evolution of a stable mixed reproductive system in the self-incompatible Hypochaeris salzmanniana (Asteraceae). *Annals of Botany*. 120, pp.447-456. ISSN 0305-7364. https://doi.org/10.1093/aob/mcx059
4. F. J. Jiménez-López; M.A. Ortiz; R. Berjano; S. Talavera; A. Terrab (2/5). 2016. High population genetic substructure in *Hypochaeris leontodontoides*, an endemic rupicolous species of the Atlas Mountains in NW Africa Alpine Botany. 126, pp.76-85. ISSN 1664-2201. https://doi.org/10.1007/s00035-016-0163-9
5. K. Tremetsberger; M. A. Ortiz; A. Terrab; F. Balao; R. Casimiro-Soriguer; M. Talavera; S. Talavera (2/7) 2016. Phylogeography above the species level for perennial species in a composite genus. *AoB plants*. 8, pp.plv142. https://doi.org/10.1093/aobpla/plv142
6. L. Alves Rodrigues; E. A. Ruas; Paulo M. Ruas; M. Reck; F. Gianetti; M. A. Ortiz; E. Urtubey, N. I. Matzenbacher; C. F. Ruas (6/9) 2016. Population genetic structure of the South American species *Hypochaeris lutea* (Asteraceae). *Plant Species Biology* 31, pp.55-64. http://dx.doi.org/10.1111/1442-1984.12084
7. J. L. García-Castaño; A. Terrab; M. Á. Ortiz; T. F. Stuessy; S. Talavera (3/5) 2014. Patterns of phylogeography and vicariance of *Chamaerops humilis* L. (Palmae). *Turkish Journal of Botany* 38, pp.1132-1146. https://doi.org/10.3906/BOT-1404-38
8. J. M. Sánchez-Robles; F. Balao; A. Terrab; J. L. García-Castaño; M. Á. Ortiz; E. Vela; S. Talavera (5/7) 2014. Phylogeography of SW Mediterranean firs: Different European origins for the North African *Abies* species Molecular Phylogenetics and Evolution. 79, pp.42-53. https://doi.org/10.1016/j.ympev.2014.06.005
9. F. G. Fiorin; P. M. Ruas; M. Á. Ortiz; E. Urtubey; N. I. Matzenbacher; C. F. Ruas (3/6) 2013. Karyotype studies on populations of two *Hypochaeris* species (*H. catharinensis* and *H. lutea*), Asteraceae, endemics to southern Brazil. Genetics and Molecular Research. 12-2, pp.1849-1858. https://doi.org/10.4238/2013.January.4.4
10. P. López-Sepúlveda; K. Tremetsberger; M. Á. Ortiz; C. M. Baeza; P. Peñailillo; T. F. Stuessy (3/6) 2013. Radiation of the *Hypochaeris apargioides* complex (Asteraceae: Cichorieae) of southern South America. *Taxon*. 62, pp.550-564. http://dx.doi.org/10.12705/623.14

Books

11. E. Urtubey; K. Tremetsberger; C. M. Baeza et al (9/16) 2019. Systematics of *Hypochaeris* section *Phanoderis* (Asteraceae, Cichorieae). Systematic Botany Monographs. 106, pp.1-200 ISBN 978-1-943751-06-8

C.2. Congress (last 10 years)

1. M.A. Ortiz, L. Sáez; R. Berjano; C. Romero-Zarco. Speciation processes in annual plants, the genus *Aira* (Poaceae) in the Iberian Peninsula and the Balearic Islands. VII Biennial Congress SESBE. Universidad de Sevilla, CSIC. 2020. Participatory - poster. Conference.

2. T. Stuessy; E. Urtubey; K. Tremetsberger; C. M. Baeza; P. López-Sepúlveda; C. König; R. Samuel; H. Weiss-Schneeweiss; M.A. Ortiz. The importance of international collaboration for understanding relationships within Compositae across Latin America: the case of *Hypochaeris* (Cichorieae). XII Congreso Latinoamericano de Botánica. 2018. Ecuador. Participatory – invited talk. Conference.

2. M.A. Ortiz; Karin Tremetsberger; J. L. García-Castaño; R. Berjano; A. Terrab. Isolation and speciation of the Mediterranean complex *Achyrophorus laevigatus* (Compositae) XIV MEDECOS & XIII AEET Meeting. CSIC. 2017. Participatory - oral communication. Conference.

3. F. J. Jiménez; M.A. Ortiz; R. Berjano; Salvador Talavera; Anass Terrab. High population genetic substructure in *Hypochaeris leontodontoides* (Asteraceae), an endemic rupicolous species of the Atlas Mountains in NW Africa. Botany 2016. Botanical Society of America, ASPT. 2016. USA. Participatory - poster.

4. M.A. Ortiz; K. Tremetsberger; C. F. Ruas; E. Urtubey; P. López-Sepúlveda; T. Stuessy; S. Talavera. The evolutionary trends of genus *Hypochaeris* s.l. (Lactuceae, Asteraceae). The Systematics Association Biennial at Oxford University Museum of Natural History. 2015. UK. Participatory - oral communication. Conference.

5. M.A. Ortiz. The evolution of self-incompatibility in genus *Hypochaeris* s.l. (Asteraceae). Modern Phylogenetic Comparative Methods. E B Doñana. 2014. España. Participatory - oral communication.

6. M.A. Ortiz; A. Zafra, A.; L.A. Rodrigues, S. Perez, S.Hiscock. Genetic diversity in alien species: the case of *Senecio squalidus* (Asteraceae). Adapting to global change in the Mediterranean hotspot. ECOGENES, CSIC. 2013. España. Participatory - oral communication. Conference.

C.3. Proyects (last 10 years)

1. Dispersión de plantas en Europa por endozoocoria a través de las aves acuáticas: su papel en el establecimiento de poblaciones de plantas y la conectividad entre ellas (WATERZOO). IP: Andy Green. Estación Biológica de Doñana. 2021-2025. 198.440 €.
2. Flora iberica X(2).CGL2012-32914. IP: C. Romero-Zarco. Universidad de Sevilla. 2016-2020. 211.000€.
3. Flora iberica IX(2). CGL2012-32914. IP: S. Talavera. Universidad de Sevilla. 2013-2015. 211.000€.
4. La hipótesis del «aseguramiento reproductivo» y su importancia en la evolución de los sistemas reproductivos mixtos. CGL2012-33270. IP: M. Arista. Universidad de Sevilla. 2013-2015. 161.000€.
5. Evolución de las Espermatofitas en el Mediterráneo: los casos de *Rumex* subgen. *Platypodium* e *Hypochaeris* sect. *Seriola*. CGL2008-02486-E/BOS. IP: S. Talavera. Universidad de Sevilla. 2010-2012.
6. Evolución y mantenimiento del polimorfismo en el color floral usando como modelos de estudio *Silene* y *Anagallis.* CGL2009-08257. IP: M. Arista. Universidad de Sevilla. 2010-2012. 136.730 €.
7. Flora iberica VIII(2). CGL2009-08178. IP: S. Talavera. Universidad de Sevilla. 2010-2012. 148.830 €.

C.4. Contracts, technological or transfer merits

1. Contract: Erosión genética durante la radiación evolutiva y su impacto sobre los sistemas reproductores en plantas de América latina: el género *Hypochaeris* (Asteraceae) como modelo. Fundación BBVA. IP: S Talavera. 2005-2008. 199.999,95€.
2. Contract: Inventario de especies y subespecies del atlas de flora amenazada de España peninsular, Baleares y Canarias, dentro del proyecto AFA. TRAGSA. IP: S Talavera. 2001-2003, 2007. 27.921,63 €, 32.389 €, 5.997,2 €