CV date	15/11/218

Part A. PERSONAL INFORMATION

First and Family name	Jesús M. Castillo		
Social Security, Passport, ID number	27317223	Age	45
Researcher numbers	Researcher ID	L-7071-2014	
	Orcid code	0000-0003-1949-4349	

A.1. Current position

Name of University/Institution	Universidad de Sevilla			
Department	Biología Vegetal y Ecología			
Address and Country	Fac. Biología, Ap 1095, CP 41080. Sevilla, Spain			
Phone number	654602168	E-mail	manucas@us.es	
Current position	Profesor Titular de Universidad		From	January 2009
Espec. cód. UNESCO	241713/ 241717/ 251010			
Palabras clave	Ecología, Spartina, restauración, especies invasoras, halófitas			

A.2. Education

PhD	University	Year
Doctor en Biología	Universidad de Sevilla	2001

A.3. JCR articles, h Index, thesis supervised…

3 research sexenial periods (last one on 31/06/2015).

Director of 6 PhD dissertation theses in the last 10 years.

883 citations in the last 5 years.

24 international articles in Q1 out of a total of 60 international publications included in Science Citation Index.

Índice h = 23. Ïndice h (desde 2013) = 18

RG Score = 31.50

Part B. CV SUMMARY

In my career as a researcher, I have done an intense teaching and research work, directing 7 doctoral theses and publishing 58 high impact scientific articles (half in Q1 journals), as well as an extensive scientific production in national and international conferences, books and book chapters. This work has deepened in the development of the line of research of our group on ecology of coastal marshes and, specifically, on the species of *Spartina* and the ecology of invasive species. In addition, I have had the opportunity to apply the knowledge developed in the study of coastal marshes to other ecosystems, such as terrestrial ecosystems in the Galapagos Islands, where I have worked in the knowledge of the ecology of *Lantana camara*, one of the most invasive plant species in the world, and in Sahara desert where we are researching on the invasive tree *Prosopis juliflora*. In the development of my research, I

have established close links with researchers in 3 universities in the United States (University of California, Davis and Berkeley, and Portland State University), 1 university in Ecuador (Central University of Ecuador), 1 university in the United Kingdom (East Anglia University) and 1 university in France (University Rennes 1). As a result of this scientific production, several projects have been developed applied to the conservation and restoration of coastal marshes. Right now, I am the head research in a project financed by United States Department of Agriculture on the ecology of invasive *Spartina* hybrids.

Part C. RELEVANT MERITS

C.1. Publications (including books)

Gallego-Tévar, B., B.J. Grewell, R. Álvarez, P. Peinado-Torrubia, E. Figueroa and J.M. Castillo Changes on the functional traits of phosphoenolpyruvate carboxylase following hybridization in C4 halophytes. **Functional Plant Biology** Accepted with minor revisions. Impact factor: 2.083 / Q1 in Plant Sciences

Gallego-Tévar, Alfredo Rubio-Casal, Alfonso de Cires, Enrique Figueroa, Brenda J. Grewell, Jesús M. Castillo 2018. Phenotypic plasticity of polyploid plant species promotes transgressive behavior in their hybrids. **AoB Plants** 10(5): ply055. Impact factor: 2.821 (2017) / 47 de 212 revistas en Plant Sciences (Q1).

Abbas, A.M., Figueroa, M.E., Castillo, J.M. 2018. Burial effects on seed germination and seedling establishment of *Prosopis juliflora* (Sw.) DC. **Arid Land Research and Management**. Impact factor: 0.890 (2016) / Q3 Soil Science. https://doi.org/10.1080/15324982.2018.1457103

Castillo, J.M., B. Gallego-Tévar, E. Figueroa, B.J. Grewell, D. Vallet, H. Rousseau, J. Keller, O. Lima, S. Dréano, A. Salmon, M. Aïnouche (2018). Low genetic diversity contrasts with high phenotypic variability in heptaploid *Spartina densiflora* populations invading the Pacific coast of North America. **Ecology and Evolution** 8: 4992-5007. Impact factor: 2.44 (2016) / 57 de 153 (Q2 Ecology).

Abbas, A.M., Mancilla-Leytón, J.M., Castillo, J.M. (2018). Can camels disperse seeds of the invasive tree *Prosopis juliflora* (Sw.) DC? **Weed Research** 58: 221-228. ÍNDICE DE Impact factor: 1.782 (2016) / 81 de 212 (Q2 Plant Science). DOI: 10.1111/wre.12298

Curado, G., B. Gallego-Tévar, E. Figueroa, J.M. Castillo (2018). Effects of removal of alien *Spartina densiflora* and restoration of native *S. maritima* on succession and zonation in European salt marshes. **Estuarine, Coastal and Shelf Science.** Impact factor: 2.176 (2016) / 28 de 773 (Q1 Plant and Animal Science) (ESI Total Citations) https://doi.org/10.1016/j.ecss.2018.04.011

Gallego-Tévar, B., G. Curado, B.J. Grewell, E. Figueroa, J.M. Castillo (2018). Realized niche and spatial pattern of native and exotic halophyte hybrids. **Oecología** https://doi.org/10.1007/s00442-018-4251-y) Impact factor: 3.130 (2016) / Q1 (Ecology, Evolution, Behavior and Systematics).

Castillo, J.M., Leira-Doce, P., Figueroa, E.M. (2017). Biomass and clonal architecture of the

cordgrass *Spartina patens* (Poaceae) as an invasive species in two contrasted coastal habitats on the Atlantic coast of the Iberian Peninsula. **Plant Ecology and Evolution** 150: 129-138. Impact fcator: 0.987 (2016) / 665 de 770 (Q4 Plant & Animal Science).

Munoz-Rodriguez, A.F., Sanjose, I., Marquez-Garcia, B., Infante-Izquierdo, M.D., Polo-Avila, A., Nieva, F.J.J., Castillo, J.M. (2017). Germination syndromes in response to salinity of Chenopodiaceae halophytes along the intertidal gradient. **Aquatic Botany** 139: 48-56. Impact factor: 1.714 (2016) / 103 de 770 (Q1 Plant & Animal Science).

Contreras-Cruzado, I., Infante-Izquierdo, M.D., Marquez-Garcia, B., Hermoso-López, V., Polo, A., Nieva, F.J.J., Cartes-Barroso, J.B., Castillo, J.M., Munoz-Rodriguez, A.F. (2017). Relationships between spatio-temporal changes in the sedimentary environment and halophytes zonation in salt marshes. **Geoderma** 305: 173-187. Impact factor: 4.036 (2016) / 15 de 336 (Q1 Agricultural Science).

Baumel, A., Rousseau-Gueutin, M., Sapienza-Bianchi, C., Gareil, A., Duong, N., Rousseau, H., Coriton, O., Amirouche, R., Duarte, B., Castillo, J.M., Ainouche, M. 2016. *Spartina versicolor* Fabre, another case of *Spartina* trans-Atlantic introduction. **Biological Invasions** 18: 2123-2135. Impact factor: 2.716 (2013) / 8 de 42 (Q1 Biodiversity Conservation).

Grewell, B.J., Castillo J.M., Skaer Thomason M.J., Drenovsky, R.E. 2016. Phenotypic plasticity and population differentiation in response to salinity in the invasive cordgrass *Spartina densiflora.* **Biological Invasions** 18: 2175-2187. Impact factor: 2.716 (2013) / 8 de 42 (Q1 Biodiversity Conservation).

Castillo J.M., Grewell, B.J., Pickart, A.J., Figueroa, M.E. & Sytsma, M. 2016. Variation in tussock architecture of the invasive cordgrass *Spartina densiflora* along the Pacific Coast of North America. **Biological Invasions** 18: 2159-2174. Impact factor: 2.716 (2013) / 8 de 42 (Q1 Biodiversity Conservation).

Castillo, J.M. 2016. Los Negocios del Cambio Climático. 186 pp. **Virus Editorial**. ISBN: 978-84-92559-70-1

Curado, G., Sánchez-Moyano, J.E., Figueroa, M.E. & Castillo J.M. 2014. Do *Spartina maritima* plantations enhance the macroinvertebrate community in European salt marshes? **Estuaries and Coasts** 37: 589-601. Impact factor: 2.560 (2012) / (Q1 Marine and Fresh Water Biology).

Curado, G., Rubio-Casal, A.E., Figueroa, M.E. & Castillo J.M. 2015. Potential of *Spartina maritima* in restored salt marshes for phytoremediation of metals in a highly polluted estuary. **International Journal of Phytoremediation** 16: 7-12. Impact factor: 1.298 / 127 de 205 (Q3 Environmental Sciences).

Carrión-Tacuri, J., Berjano R., Guerrero G., Figueroa, M.E. & Castillo J.M. 2014. Fruit Set of the Invasive *Lantana camara* and the Endemic *L. peduncularis* in the Galápagos Islands. **Weed Biology and Management** 14 (3): 209-219. Impact factor: 0.717 / 138 de 197 (Q3 Environmental Sciences).

Castillo J.M., Grewell, B.J., Pickart, A., Bortolus, A., Peña, C., Figueroa, M.E. & Systma, 2014, Phenotypic plasticity of invasive *Spartina densiflora* (Poaceae) along a broad latitudinal gradient on the Pacific Coast of North America. **American Journal of Botany** 101: 448-458. Impact factor: 2.586 / 47 de 194 (Q1 Plant Sciences).

Curado, G., Grewell, B.J., Figueroa, M.E. & Castillo J.M. 2014, Effectiveness of the aquatic halophyte *Sarcocornia perennis* spp. *perennis* as a biotool for ecological restoration of salt marshes. **Water, Air and Soil Pollution** 225: 2108. Impact factor: 1.685 (2013) / 106 de 205 (Q2 Environmental Sciences).

Abbas, A., Rubio-Casal, A.E., de Cires, A., Figueroa, M.E., Nieva, J. & Castillo, J.M. 2014. Wrack burial reduces germination and establishment of the invasive cordgrass *Spartina densiflora*. **Neobiota** 21: 65-79. Impact factor: 3.22 (2017) / Q1 en Plant Science

C.2. Research projects and grants

2017/00000039, Ecophysiological and biochemical responses of alien and native cordgrasses to sea level rise with climate change, United States Department of Agriculture (USDA), Jesús Manuel Castillo Segura (Universidad de Sevilla), 01/09/2016 - 01/09/2021. Budget: 61200 $

C.3. International Congress and Conferences

Baumel, A., Rousseau-Gueutin, M., Sapienza-Bianchi, C., Gareil, A., Duong, N., Coriton, O., Amirouche, R., Duarte, B., Castillo, J.M. & Ainouche, M. 2014. Native or introduced? The status of *Spartina versicolor* Fabre. **4th International Conference on Invasive *Spartina***

Brenda J. Grewell, Jesús M. Castillo, Meghan Skaer Thomason & Rebecca E. Drenovsky 2014. Intraspecific and phenotypic variation in salinity responses of invasive *Spartina densiflora* from Pacific estuaries of North America. **4th International Conference on Invasive *Spartina***

Jesús M. Castillo, Brenda J. Grewell, Andrea Pickart, Enrique Figueroa & Mark Systma. 2014. Changes in tussock architecture of invasive *Spartina densiflora* (Poaceae) along the Pacific Coast of North America. **4th International Conference on Invasive *Spartina***

Jesús M. Castillo, Guillermo Curado, Blanca Gallego-Tévar & Enrique Figueroa. 2015. Restoring urban salt marshes using the European small cordgrass *Spartina maritima*
6th World Conference on Ecological Restoration

Brenda J. Grewell, Jesús M. Castillo, Meghan J. Skaer Thomason, Rebecca E. Drenovsky & Andrea Pickart. 2015 Phenotypic plasticity and population differentiation of invasive *Spartina densiflora* (Poaceae) along a broad latitudinal gradient on the Pacific Coast of North America. **EMAPi 2015. 13th International Conference on Ecology and management of Alien Plant Invasions**

M. Ainouche, A. Baumel, B. Gallego-Tevar, J.M. Castillo, M. Rousseau-Gueutin, J. Boutte, J. Ferreira de Carvalho, O. Lima, A. Kovarick, A. Leitch, I. Leitch, A. Ainouche & A. Salmon. 2016. Unending hybridization and polyploid speciation stories: Lessons from *Spartina* (Poaceae). **XV OPTIMA (the Organization for the Phyto-Taxonomic Investigation of the Mediterranean Area**) **Meeting**

Gallego, B., Curado, G., Castillo, J.M., Mancilla-Leytón, J.M., Rubio-Casal, A., De cires, A, Álvarez, R. & Figueroa, M.E. 2016. The effect of salinity in the hybrids between native European *Spartina maritima* and invasive *Spartina densiflora*. **Ecosummit**

Curado, G., Figueroa, M.E. & Castillo, J.M. 2016. TÍTULO: Abiotic environment and plant community development in *Spartina maritima* restored salt marshes 9 years after restoration. **Estuarine Restoration: from theory to practice and back**

Curado, G., Gallego-Tevar, B., Figueroa, M.E. & Castillo, J.M. 2017. Avian communities in *Spartina maritima* restored marshes. **XIV MEDECOS & XIII AEET. Human driven scenarios for evolutionary and ecological changes**

Gallego-Tevar, B., Curado, G., Figueroa, M.E. & **Castillo, J.M.** 2017. The role of native and invasive plant hybrids in ecological succession in salt marshes. **XIV MEDECOS & XIII AEET. Human driven scenarios for evolutionary and ecological changes**

Carrión-Tacuri, J., Berjano, R., Rubio-casal, A.E., de Cires, A., Figueroa, M.E. & Castillo, J.M. 2017. *Lantana camara* L., a slumber threat for Galapagos ecosystems. **XIV MEDECOS & XIII AEET. Human driven scenarios for evolutionary and ecological changes**

Castillo, J.M., Gallego-Tévar, B., Grewell, B.2017. Response to salinity in invasive cordgrass hybrids and their parental species. **Ecological Society of America 2017**

Carrión-Tacuri, J. & Castillo, J.M. 2017. *Lantana camara* L., a slumber threat for Galapagos ecosystems. **1er Simposio de Investigación y Conservación Galápagos GSC–DPNG**

Blanca Gallego-Tévar, Brenda J. Grewell, Jesús M. Castillo, M. & Enrique Figueroa. 2018. The effect of invasive hybrid taxa on the ecological succession of coastal marshes**. Neobiota 2018. 10th International Conference of Biological Invasions.**

C.4 OScientific comitte in international conferences

Invasive *Spartina* Conference, Rennes (France), July 2014.