



CURRICULUM VITAE (CVA)

Part A. PERSONAL INFORMATION

CV date 23rd Nov 21

First name	Mercedes		
Family name	Martín Cereceda		
Gender (*)	Female	Birth date (dd/mm/yyyy)	23-02-1970
Social Security, Passport, ID number	02235999P (ID number)		
e-mail	cerecema@cm.es	URL Web	
Open Researcher and Contributor ID (ORCID) (*)	https://orcid.org/0000-0001-7473-3061		

(*) Mandatory

A.1. Current position

Position	Faculty member (tenured associated professor) “Contratado Doctor”		
Initial date	May 2013		
Institution	Universidad Complutense de Madrid		
Department/Center	Genética, Fisiología y Microbiología (GFM)	F. CC. Biológicas	
Country	Spain	Teleph. number	+34913944967
Key words	Biodiversity, Microorganisms, Ecology, Systematics, Protists, Conservation, Microbial Biogeography		

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

Period	Position/Institution/Country/Interruption cause
Sept 2019-Sept 2020	Research Impact Officer/United Kingdom/Secondment year
Dec 2007-Dec 2016	Adjunct Research Associate/USA/Moving to UCM
Jan 2008-May 2013	Assistant Professor (Ayudante Doctor)/Spain/Becoming Tenure at UCM

A.3. Education

PhD, Licensed, Graduate	University/Country	Year
PhD in Microbiology –“PhD Extraordinary Award 2001”	Department of Microbiology, Universidad Complutense, Madrid, Spain	2000

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

Spanish microbiologist and microbial ecologist and tenured lecturer at F. Biology (UCM). After seven years of post-doctoral research in the UK (Natural History Museum, NHM London) and the USA (University of Kansas, KU), she returned to Spain in 2008. From 2011, she has published 10 manuscripts in peer-reviewed Journals, 2 outreach manuscripts, co-authored a book and 1 book chapter, and presented more than 20 communications in scientific workshops/conferences. From 2014 and 2018 she has been the PI of a 4 year-research project funded by the Spanish Ministry of Science and Innovation (CGL 2013-40851-P), which documented the biodiversity patterns of free-living microorganisms and emphasized the need of establishing conservation strategies for microbial habitats. Her current and long-term scientific interests are related to: microbial biodiversity of aquatic and terrestrial ecosystems; ecological niche modeling of microorganisms; microbial bioindicators in



freshwaters; microbe grazing interactions (bottom-up and top-down); taxonomy and systematics of autotrophic and heterotrophic eukaryotic microorganisms (phytoplankton, including diatoms, flagellates, and ciliates).

For the last 10 years, she has focused on collaborative research of high international profile with colleagues in England, USA, Switzerland, and Mexico. These collaborations guided the current multidisciplinary scheme of her investigations, and have given her the opportunity to work with zoologists, geologists, mathematicians and biostatisticians. She has been adjunct Research Associate, Department of Ecology and Evolutionary Biology, University of Kansas, Lawrence, USA. December 2007 to December 2016. Over the years, she has become a firm believer in the concept of microbial conservation and the need of uniting microbial community ecology and the field of bioconservation to understand the role microorganisms play in ecosystem stability and environmental health. Her studies focus on the ecosystem from its bottom, how the microorganisms may determine the fate of the next steps of the food web, and why we need to preserve microbial habitats to preserve the well-being of the rest of organisms and their habitats. Four research 'sexenios' (six-year research periods positively evaluated). Last 'sexenio' granted in May 2019. Number of supervised PhD thesis: 1 in progress.

In addition to her research on microbial ecology, she is also committed to innovation in education as a pillar for future researchers. She has 2 five-year teaching periods granted (last teaching evaluation period (2016-2019) evaluated as "Very Positive"). For the last 9 years she has been involved with colleagues in developing five projects introducing new methodologies for students' autonomous and active learning using online resources.

Elected representative member of Faculty Board (Faculty of Biological Sciences, UCM) from 2010 to 2013. She has participated as project evaluator in national evaluation scientific committees (ANECA) from 2009 to 2011 and she was Vice-Dean of 'Research and International Affairs' in the Faculty of Biology (UCM) in 2014, when she had the chance to get knowledgeable about Erasmus programs and internationalization of studies within Europe and overseas, and learnt about research management.

From September 2019 to September 2020, she spent a secondment year at the University of Derby (UK) working as Research Impact Officer for the UK Government's Research Excellence Framework (REF 2021). During this year, she has enriched her view of the research with a complementary perspective that adds the value of research engagement principles such as participatory development, community-based learning/research, and community empowerment. Fruit of this research stay at UK, she has co-produced two impact case studies submitted to the REF 2021 exercise: "*The Conservation of Coral Reefs in the Face of Climate Change*" and "*The application and improved functionality of environmental DNA (eDNA) for assessing species distribution in freshwater environments*". During this stay she has too published one manuscript reflecting the benefits and challenges of engaging researchers and community actors (Stelfox¹-Martin-Cereceda¹ *et al.* 2021; ¹ Joint first authorship), and has established a research collaboration that is articulated through the present project proposal.

She is also a dedicated researcher of her three children born between 2005 and 2011.

Part C. RELEVANT MERITS

C.1. Publications

1. Stelfox*, M., **Martin-Cereceda*** (AC), M., Vahed, K., .../Sweet, M. 2021. The Olive Ridley Project (ORP): A successful example of how to engage researchers, conservation practitioners and civil society. *Research for All*, 5 (2), 448–473. <https://doi.org/10.14324/RFA.05.2.17> *Joint first authors.
2. Pérez-Uz, B., Velasco-González, I., Murciano, A...../ **Martín-Cereceda, M. (AC)**. 2021. Rain-fed granite rock pools in a national park: extreme niches for protists. *Limnetica* 40 (1): 1-18 <https://doi.org/10.23818/limn.40.01>
3. Velasco-González, I., Sanchez-Jimenez, A., Singer, D., Murciano, A., Díez-Hermano, S., Lara, E., **Martín-Cereceda, M. (AC)**. 2020. Rain-fed Granite Rock Basins Accumulate a High Diversity of Dormant Microbial Eukaryotes. *Microbial Ecology* 79: 882–897. <https://doi.org/10.1007/s00248-019-01463-y>
4. Quintela-Alonso P, Pérez-Uz B, Sanchez-Jimenez A...../ **Martín-Cereceda M. (AC)**. 2018. Complexity of river ciliate communities at a National Park highlights the need for microbial conservation. *Aquatic Conservation: Marine and Freshwater Ecosystems* 28:408–421. <https://doi.org/10.1002/aqc.2852>



5. Williams RAJ (AC), Owens H, Warren A, Clamp, J, Peterson AT and **Martín-Cereceda, M.** 2018. Endemicity and climatic niche differentiation in three marine ciliated protists. *Limnology and Oceanography* 63: 2727–2736 <https://doi.org/10.1002/lno.11003>
6. García-Rodríguez M, (AC), Sanchez-Jimenez A, Murciano A, Pérez-Uz B y **Martín-Cereceda M.** 2017. Influencia de la temperatura sobre la asimetría de pilancones en ambiente granítico. Aplicación de un modelo de regresión lineal. *Boletín Sociedad Geológica Mexicana* 69: 479–494. <https://doi.org/10.18268/bsgm2017v69n2a11>
7. Warren, A. (AC), Patterson, D. J., Dunthorn, M.,.....(Martín-Cereceda, M. 32/ 56)....Agatha, S. 2017. Beyond the “Code”: A Guide to the Description and Documentation of Biodiversity in Ciliated Protists (Alveolata, Ciliophora). *Journal of Eukaryotic Microbiology* 64: 539–554. <http://dx.doi.org/10.1111/jeu.12391>
8. Okie, J. (AC), Smith, V, and **Martín-Cereceda, M.** 2016. Major evolutionary transitions of life, metabolic scaling and the number and size of mitochondria and chloroplasts. *Proceedings of the Royal Society Series B.* 83(1831). pii: 20160611. <https://doi.org/10.1098/rspb.2016.0611>
9. Lucía Arregui, Pilar Calvo, **Mercedes Martín-Cereceda**...../Covadonga Vázquez. 2014. *Microbiología. Cuestiones y casos prácticos resueltos.* Editorial Pearson. Book. 224 pp. ISBN: 978-84-9035-459-9.
10. **Martín-Cereceda, M. (AC)**, and E.J.C. Cox. 2011. Morphological variation in a small *Thalassiosira* species (Bacillariophyta) under different culturing regimes. *Botanica Marina* 54: 563–574. <https://doi.org/10.1515/BOT.2011.063>

C.2. Congress

1. **M. Martín-Cereceda**, A. de Cos-Gandoy, A. Sánchez-Jiménez, B. Pérez-Uz. Estudio comparativo de la estequiometría de nutrientes NP en microorganismos heterótrofos y autótrofos. XXVIII Congreso Nacional de Microbiología de la SEM. 28 junio al 2 julio 2021 (Acontecido en formato virtual). Poster.
2. A. de Cos-Gandoy, B. Pérez-Uz, M. **Martín-Cereceda**, A. Sánchez-Jiménez Análisis de la diversidad molecular microbiana en pilas graníticas de un Parque Nacional. XXVIII Congreso Nacional de Microbiología de la SEM. 28 junio al 2 julio 2021 (Acontecido en formato virtual). Poster.
3. Pérez-Uz, B. Alonso-Fernandes, E. **Martín-Cereceda, M.** Evaluation of fecal indicator bacteria in a National Park River to assess human impact on the conservation of a protected area. 5th world Congress on Microbial Biotechnology. Lisboa, Portugal. Septiembre 17-18, 2018.
4. Pérez-Uz, B. Alonso-Fernandes, E. **Martín-Cereceda, M.** Predatory activities of ciliates and their potential capacity to eliminate fecal indicator bacteria in natural environments. 5th world Congress on Microbial Biotechnology. Lisboa, Portugal. Septiembre 17-18, 2018. Poster.
5. Williams RAJ, Owens H, **Martín-Cereceda, M.** Exploring patterns of microbial biodiversity using ecological niche models. Congreso: EEMiS Workshop. Borgholm, Sweden. Septiembre 2017. Poster.
6. Pérez-Uz B., Quintela-Alonso, P., Velasco, I., García-Rodríguez, M., Olmedo, C., Muñoz, B., Refoyo, P., Murciano, A., Montero, E., Sánchez-Jiménez, A., Centeno, J.D., **Martín-Cereceda M.** Characterization of Protist Communities from Granite Weathering Pits in a Spanish National Park. VII ECOP-ISOP European Congress of Protistology. Federation of European Protistological Societies / International Society of Protistologists. Sevilla, España. 5-10 Septiembre 2015. Poster.
7. Quintela-Alonso, P., Pérez-Uz, B., García-Rodríguez, M., Velasco, I., Olmedo, C., Refoyo, P., Muñoz, B., Montero, E., Murciano, A., Centeno, J.D., Sánchez-Jiménez, A., **Martín-Cereceda M.** Diversity of Ciliate Communities in a Human-impacted River at a Spanish National Park. VII ECOP-ISOP European Congress of Protistology. Federation of European Protistological Societies / International Society of Protistologists. Sevilla, España. 5-10 Septiembre 2015. Poster.
8. **Martín-Cereceda M.** Microepics. Un proyecto de Diversidad Microbiana en la Pedriza. Historia Natural de la Sierra de Guadarrama. Cursos de Verano del Escorial. Lugar celebración: El Escorial, Madrid, España. 20-24 Julio 2015. Ponencia oral invitada
9. Pérez-Uz, B. and **Martín-Cereceda, M.** Ciliate biodiversity studies in Spain. Principal Session 2: A global survey of studies of ciliate biodiversity. Workshop Integrating the 3 Dimensions of Biodiversity: New Standards for Documenting Biodiversity of Ciliates and Strategies for Accessing and Sharing Data. International Research Coordination Network for Biodiversity of Ciliates and the British Society for Protist Biology. Royal Holloway University of London, Egham, UK. 1-3 Septiembre 2014 Ponencia oral invitada.



10. **Martín-Cereceda M.** Using Ecological Niche Modelling to Investigate the Geographic Distribution of Ciliates. I Workshop of the International Research Coordination Network for Biodiversity of Ciliates (IRCN-BC). Integrating the 3 Dimensions of Biodiversity: New Directions or Investigating Biodiversity of Ciliates. National Evolutionary Synthesis Center, North Carolina Central University. Durham, USA. 19-22 Septiembre 2012. Ponencia oral invitada.

C.3. Research projects

1. Diversity, bioindication and bioremediation of protists in a protected granitic ecosystem. Towards species conservation strategies (Ministry of Science and Innovation, Spain, PI: M Martin Cereceda. Ref: CGL2013-40851-P/ BOS). 2014-2018. PI: M. Martin-Cereceda. Budget: 121,000 Euros.

2. Research Coordination Network for Biodiversity of Ciliates (RCN–BC) (National Science Foundation, USA, PI: John Clamp. Ref: NSF 11-518). 2011-2016. Researcher. Budget: 500,000 USD.

C.4. Contracts, technological or transfer merits

Creation of a blog focused on transfer of scientific knowledge and outreach in the Parque Nacional Sierra de Guadarrama (PNSG) <https://www.parquenacionalsierraguadarrama.es/es/parque/blogs>