

<b>Part A. PERSONAL INFORMATION</b>		<b>CV date</b>	21/09/2018
First and Family name	MANUEL ARIAS ESTEVEZ		
Social Security, Passport, ID number	██████████	Age	54
Researcher numbers	Researcher ID	M-8629-2016	
	Orcid code	https://orcid.org/0000-0002-9162-1587	

**A.1. Current position**

Name of University/Institution	University of Vigo		
Department	Plant biology and Soil Science		
Address and Country	Faculty of Science, As Lagoas, S/N, 32004, Ourense, Spain		
Phone number	988368899	E-mail	<a href="mailto:mastevez@uvigo.es">mastevez@uvigo.es</a>
Current position	Professor	From	2017
Espec. cód. UNESCO	251104/251106		
Palabras clave	Heavy metals, Pesticides, Soil Chemistry, Antibiotics, Emerging pollutants		

**A.2. Education**

PhD	University	Year
Biology	University of Santiago de Compostela	1994

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

Positive assessment of scientific activity (CNEAI): 4 (last in 2017)  
 PhD. supervision: 6  
 Total citations: 3513 (Scopus)  
 Average cites/year (2014-2017): 391 (Scopus)  
 Q1 publications: 78  
 H-index: 31 (Scopus)  
 MSc degree supervision: 10  
 Master's degree final projects supervision: 8  
 Degree's final projects supervision: 56

**Part B. CV SUMMARY** (max. 3500 characters, including spaces)

Name: **Manuel Arias Estévez**

Gender: **Male**

Qualification: **PhD**

Staff category: **Professor**

Short description of work experience: Professor at the Department of Plant Biology and Soil Science, University of Vigo. Previously, I have worked at the University Santiago de Compostela (Spain). I am research expertise lines are Soil Contamination and Agricultural Chemistry. I am the author of 147 JCR publications, many of them within the first quartile (78, Soil Biology & Biochemistry, Chemosphere, European Journal of Soil Science, Soil & Tillage Research, Geoderma, Catena, Science of the Total Environment, Journal of Hazardous Materials, etc). The H-index is 31. They accumulate 3513 (Scopus, 24/09/2018) citations. I am also author of 6 book chapters or books, being three of them international. I am the author of 153 presentations in international congresses and I have participated in 31 research projects. I have been co-supervisor of six doctoral theses, and supervisor of 66 final degree projects. I

am a regular reviewer of journals such as *Geoderma*, *Applied Soil Ecology*, *Journal of Hazardous Materials*, *Science of the Total Environment* or *Land Degradation & Development*. I am a member of “Sociedad Española de Ciencia del Suelo” (vice president) and “International Union of Soil Science”. I am also the Principal investigator of the research group Plant, Soil and Use of by-products. Competitive Reference Group of the “Xunta de Galicia”, Spain.

## Part C. RELEVANT MERITS

### C.1. Publications (including books)

1. Fernández-Calviño, D.; Cutillas-Barreiro, L.; Núñez-Delgado, A.; Fernández-Sanjurjo, M.J.; Álvarez-Rodríguez, E.; Nóvoa-Muñoz, J.C.; Arias-Estévez, M. 2017. “Cu immobilization and *Lolium perenne* development in an acid vineyard soil amended with crushed mussel shell”. *Land Degradation and Development*, 28:762-772. FI: 7,270 (Q1-Soil Science).
2. Conde-Cid, M.; Paradelo-Núñez, R.; Fernández-Calviño, D.; Pérez-Novo, C.; Nóvoa-Muñoz, J.C.; Arias-Estévez, M. 2017 “Retention of quaternary ammonium herbicides by acid vineyard soils with different organic matter and Cu contents”. *Geoderma*, 293:26-33. FI: 3,740 (Q1-Soil Science).
3. Rodríguez-Salgado, I.; Pérez-Rodríguez P.; Gómez-Armesto, A.; Díaz-Raviña, M.; Nóvoa-Muñoz, J.C.; Arias-Estévez, M.; Fernández-Calviño, D. 2017. “Modification of chemical properties, Cu fractionation and enzymatic activities in an acid vineyard soils amended with winery wastes: A field study”. *Journal of Environmental Management*, 202:167-177. FI: 4,005 (Q1- Environmental Science).
4. Fernández-Calviño, D.; Pérez-Armada, L.; Cutillas-Barreiro, L.; Paradelo-Núñez, R.; Núñez-Delgado, A.; Fernández-Sanjurjo, M.J.; Álvarez-Rodríguez, E.; Arias-Estévez, M. 2016. Changes in Cd, Cu, Ni, Pb and Zn Fractionation and liberation due to mussel shell amendment on a mine soil. *Land Degradation & Development* 27: 1276-1285 (2016). FI: 9,787 (Q1-Soil Science).
5. Fernández-Calviño, D.; Rodríguez-Salgado, I.; Pérez-Rodríguez P.; Nóvoa-Muñoz, J.C.; Arias-Estévez, M. 2015. “Time evolution of the general characteristics and Cu retention capacity in an acid soil amended with a bentonite winery waste”. *Journal of Environmental Management*, 150:435-443. FI: 3,131 (Q1- Environmental Science).
6. Fernández-Calviño, D.; Bermúdez-Couso, A.; Arias-Estévez, M.; Nóvoa-Muñoz, J.C.; Fernández-Sanjurjo, M.J.; Álvarez-Rodríguez, E.; Núñez-Delgado, A. 2015. “Competitive adsorption/desorption of tetracycline, oxytetracycline and chlortetracycline on two acid soils: Stirred flow chamber experiments”. *Chemosphere*, 134: 361-366. FI: 3,698 (Q1- Environmental Science).
7. Fernández-Calviño, D.; Pérez-Novo, C.; Arias-Estévez, M. 2015. Influence of phosphates on copper and zinc retention processes in acid soils. In: *Phosphate in soils, Interactions with micronutrients, radionuclides and heavy metals*. Editor: H. Magdi Selim CRC Press, Taylor & Francis Group, New York, USA: 39-59 (2015). (Chapter Book).
8. Cutillas-Barreiro, L.; Ansias-Manso, L.; Fernández-Calviño, D.; Arias-Estévez, M.; Nóvoa-Muñoz, J.C.; Fernández-Sanjurjo, M.J.; Álvarez-Rodríguez, E.; Núñez-Delgado, A. 2014. “Pine bark as bio-adsorbent for Cd, Cu, Ni, Pb and Zn: Batch-type and stirred flow chamber experiments”. *Journal of Environmental Management*, 144:258-264. FI: 2,723 (Q1- Environmental Science).

9. Seco-Reigosa, N.; Cutillas-Barreiro, L.; Nóvoa-Muñoz, J.C.; Arias-Estévez, M.; Fernández-Sanjurjo, M.J.; Álvarez-Rodríguez, E.; Núñez-Delgado, A. 2014. "Mixtures including wastes from the mussel shell processing industry: Retention of arsenic, chromium and mercury". *Journal of Cleaner Production*, 84:680-690. FI: 3,844 (Q1- Environmental Science).

10. Pateiro-Moure, M.; Arias-Estévez, M.; Simal-Gándara, J. 2013. "Critical Review on the Environmental Fate of Quaternary Ammonium Herbicides in Soils Devoted to Vineyards". *Environmental Science & Technology* 47 (10):4984-4998 (2013). FI: 5,481 (Q1-Environmental Science). DOI: 10.1021/es400755h.

## C.2. Research projects and grants

Principal investigator: **Manuel Arias Estévez**

1. Title: "Utilización de la concha de mejillón como bioadsorbente en suelos y aguas contaminados por metales pesados y aniones inorgánicos".

Funding Agency: "XUNTA DE GALICIA"

Time: 2009-2012.

Reference: 09MDS013291PR.

Grant: 53280,5 €

2. Title: "Técnicas de aplicación de subproductos de origen vitivinícola a la producción ecológica del viñedo: aspectos agronómicos y ambientales".

Funding Agency: "XUNTA DE GALICIA"

Time: 2009-2011.

Reference: CO-0106-09.

Grant: 30761,50 €

3. Title: "Diagnóstico de la contaminación por metales pesados solubles en forma catiónica. Medidas de control en suelos antropizados".

Funding Agency: "Ministerio de Economía y Competitividad"

Time: 2012-2014.

Reference. CGL2012-36805-C02-02.

Grant: 49140 €

4. Title: "Problemas ambientales derivados de la presencia de antibióticos de uso veterinario en el suelo".

Funding Agency: "Ministerio de Economía y Competitividad".

Time: 2016-2018.

Reference CGL2015-67333-C2-2-R.

Grant: 119790 €

## **C.5. Other scientific publications**

- Co-author of 9 papers published by national publishers
- Co-author of 5 book chapters published by international publishers
- Co-author of 28 communications in national congresses
- Co-author of 153 communications in international congresses

## **C.6 Institutional responsibilities**

- Director of the PhD programme "Agri-Food Science and Technology". University of Vigo, Spain. (2016-present).
- Vicepresident of the Spanish Soil Science Society (2017-present).
- President of the Galician Soil Science Society (2017-present).
- Principal investigator of the research group Plant, Soil and use of by-products. Competitive reference group of the "Xunta de Galicia". (2017-present).

## **C.7 Memberships of scientific societies.**

- Spanish Soil Science Society
- International Union of Soil Science"